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IDENTIFIERS	*Pennsylvania

ABSTRACT

A catalog of research units in Pennsylvania is presented as part of the Pennsylvania Research Inventory Project. This project focuses on research units that have a defined focus of interest, specialized professional personnel, funding or budgeted support, and distinctive products and/or outcomes. The catalog lists research units in alphabetical order by the name of the parent company or sponsoring institution. Two simplified indexes can be used to locate all research units in a particular category on the printed list. The geographical index is entered by using development regions (shown on a map), counties within each region, and units within each county. The Standard Industrial Code (SIC) and the Record ID for each entry are also shown. A second users index shows the SIC code with the description of each category. After the three digit category, all the Record IDs are listed for units engaged in research under the subject area. In addition, a list of key terms contains all the descriptive words used by survey respondents to explain their research activities. The "NCES Academic Program" section provides a detailed outline of another taxonomy used by respondents to specify their work. (SW)

ED235701

AN INVENTORY OF RESEARCH UNITS IN PENNSYLVANIA

June 1983

LIST OF UNITS AND INDEX

"PERMISSION TO REPRODUCE THIS
MATERIAL HAS BEEN GRANTED BY
Pennsylvania
State Univ
TO THE EDUCATIONAL RESOURCES
INFORMATION CENTER (ERIC)."

Prepared by:

William Toombs, Ph.D.
Robert Wilkinson, M.A.

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION
CENTER (ERIC)
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The Pennsylvania State University
University Park, Pennsylvania

and

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800 North Third Street
Harrisburg, Pennsylvania

Sponsored by:

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Harrisburg, Pennsylvania
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HE016 573

ISBN 0-8182-0016-2

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Fischer and Porter Company

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For Technology and Policy Development
Department of Commerce

The Honorable
Geoffrey Stengel, Jr.
Secretary
Department of Commerce
(Until January 1, 1983)

The Honorable
James O. Pickard
Secretary
Department of Commerce

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NATIONAL CENTER FOR EDUCATIONAL STATISTICS
PROGRAM CODES (NCES) CODES 459

PREFACE

PREFACE

THE NATURE AND USE OF THE INFORMATION ON RESEARCH

An Introduction to the Inventory

This catalogue of research units in Pennsylvania is part of the larger program of economic development intended to benefit all regions of the Commonwealth. Specifically this document is a component of what Governor Thornburgh described in February 1982 as the "consortium of governmental and private sector resources . . . established to stimulate research, development, and training in advanced technology." Together with The Technical Report it constitues the final report for the Pennsylvania Research Inventory Project.

Bringing together this much information from a wide variety of sources has required special guidance, assistance, and sponsorship from many parties. The timely sponsorship of the Pennsylvania Science and Engineering Foundation, now the Ben Franklin Partnership Fund Board, was invaluable. Of equal importance was the funding from the Appalachian Regional Commission (ARC Contract No.82-90PA-8432-82-I-302-0513). At the same time the staffs of both agencies gave useful suggestions of a substantive nature throughout the project term. Other State agencies responded generously to questions and requests for data, notably the Department of Commerce and the Bureau of Employment Security. The Governor's office, the office of the Secretary of Commerce, and several non-government offices, particularly the Pennsylvania Chamber of Commerce, the Business Council of Pennsylvania, and the Pennsylvania Manufacturers Association, helped insure cooperation from respondents. The Project Advisory Committee members deserve special commendation for the expert and timely input they gave during the design and collection stages.

Throughout the Project effort the advice and assistance of the Computation Center at The Pennsylvania State University have enhanced the quality of the final product. Finally, the excellent contributions of the Pennsylvania Association of Colleges and Universities to the day by day operations of the Project staff merit hearty acknowledgement.

Type of Research Unit

The type of research unit suitable for this inventory is defined as a "coherent, organized research effort," that is, an organizational unit committed to research. The focus is on organized and continuing endeavors as opposed to single short term projects, scholarly pursuits, routine testing, or casual personal inquiries. Such activities have been gathered and classified by other sources. The organizational unit reported here will have a defined focus of interest, specialized professional personnel associated with it, discrete funding or budgeted support, and distinctive products and/or outcomes.

While the data collected serve to identify organizational units there is a gray area when looking at research in its academic setting, especially among the smaller institutions. This unclear area pertains to the individual researcher who has been pursuing a line of inquiry or topic for a long period of time — more than three years. This person, most likely, does not represent an organized unit of research as defined above but does conduct a continuous effort with identified funding in a specialized professional field. Therefore, it was decided that this type of research effort meets a majority of the criteria, as stated above, and should be part of our inventory.

Sources of the Data

These data were gathered between September 1982 and March 1983 from colleges and universities, medical schools, non-profit institutions of other kinds, large corporate enterprises and their branches, and small businesses with more than 25 employees. A simple twelve point survey form was used as the collection instrument. The original mailing included a cover letter with directions for filling out the form and a description of the project, a summary sheet for each of the codes, SIC and NCES, and a postpaid return envelope. These materials are provided in the Appendix to The Technical Report.

The total number of contacts by mail and through personal delivery reached approximately 10,800 and some of these corporations or institutions had several divisions. Estimates by various agencies place the total number of *employers* in Pennsylvania in the range of 18 to 20,000 so it is clear that the inquiry reached most of the enterprises likely to have research components.

Using the Inventory

This volume contains the list of research units, two indexes, and two other informational lists. Immediately following this preface is a list of research units in alphabetical order by the name of the parent company or sponsoring institution. For example the "Stroud Water Research Center " is listed under "Academy of Natural Sciences." Thus all research units for a corporation or institution are displayed together. Each unit is assigned a sequence number later referred to as a "Record ID."

There are two simplified indexes that can be used to locate all research units in a particular category on the printed list. The first is a *geographical index*. This index is entered by using a "development region" and the names are presented on the accompanying map. Within each development region the counties are listed and in each county the entries for each unit are listed line by line. The Standard Industrial Code (SIC) and the "Record ID" for each entry is shown.

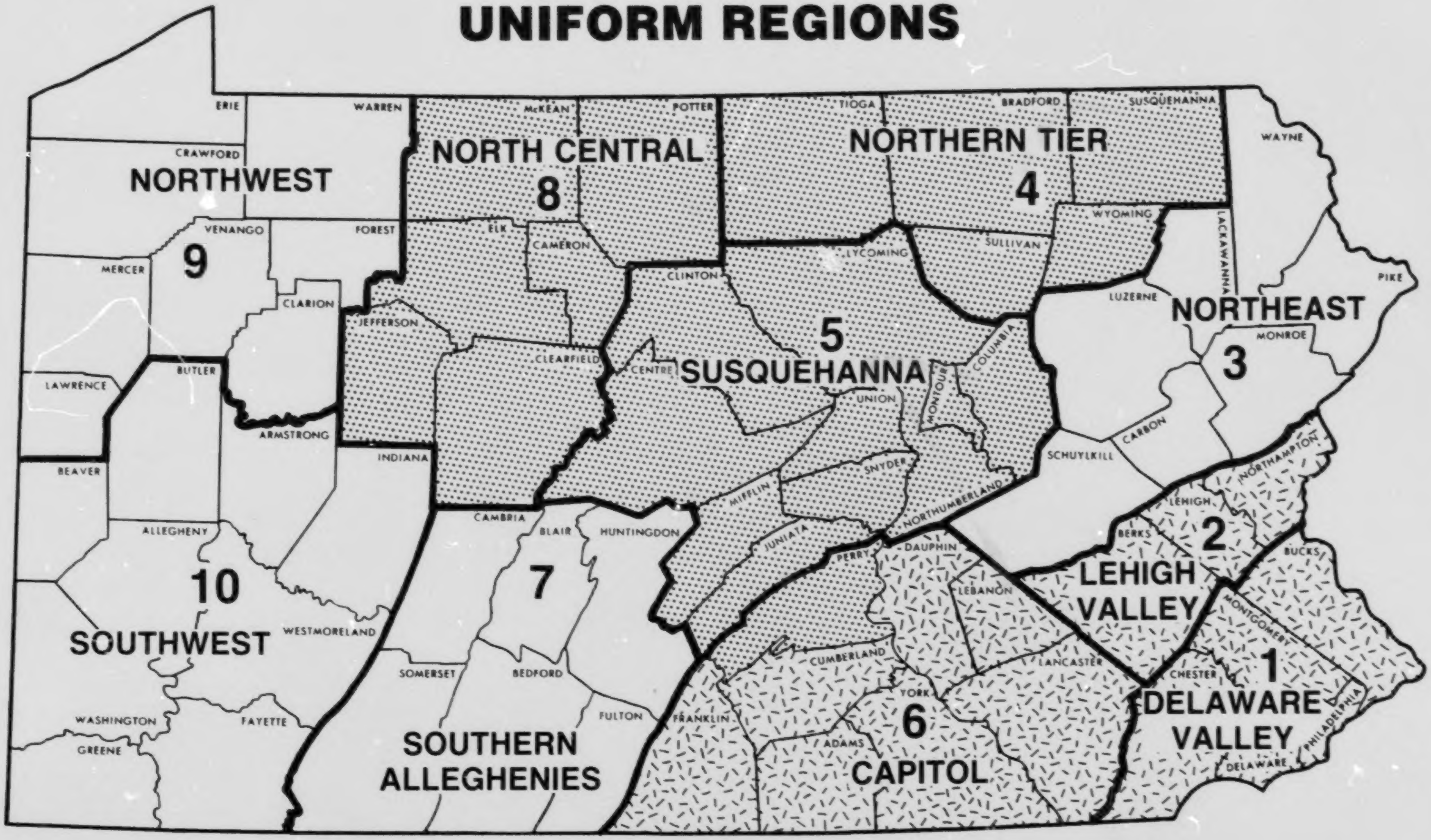
A second users index for this Volume shows the *SIC code* with the description of each category. After the three digit category all the Record ID's are listed for units engaged in research under the subject area.

Two additional bodies of information are included to aid with interpretation of the material describing the activities of each unit. These cannot be used for access to the printed file but they contribute to understanding and are very useful in addressing the computer-based file.

The list of *Key Terms* simply records all the descriptive words used by respondents to explain their research activities in a concise manner. The *NCES Academic Programs* section provides a detailed outline of another taxonomy used by respondents to specify their work. The National Center for Education Statistics constructed this classification system for general use by federal agencies. It joins together the commonly used labels for knowledge cate-

PENNSYLVANIA'S

UNIFORM REGIONS


ERIE
WARREN
CRAWFORD
NORTHWEST
VENANGO
FOREST
MERCER
9
CLARION
LAWRENCE
BUTLER
ARMSTRONG
BEAVER
INDIANA
ALLEGHENY
10
WESTMORELAND
SOUTHWEST
WASHINGTON
FAYETTE
GREENE
McKEAN
POTTER
NORTH CENTRAL
8
ELK
CAMERON
JEFFERSON
CLEARFIELD
TIOGA
BRADFORD
SUSQUEHANNA
NORTHERN TIER
4
WYOMING
SULLIVAN
LYCOMING
CLINTON
5
CENTRE
SUSQUEHANNA
MONTOUR
COLUMBIA
UNION
SNYDER
MIFFLIN
JUNIATA
NORTHUMBERLAND
WAYNE
LACKAWANNA
PIKE
LUZERNE
NORTHEAST
MONROE
3
CARBON
SCHUYLKILL
NORTHAMPTON
LEHIGH
BERKS
2
LEHIGH VALLEY
BUCKS
MONTGOMERY
1
CHESTER
DELAWARE VALLEY
PHILADELPHIA
DELAWARE
CAMBRIA
BLAIR
HUNTINGDON
7
SOMERSET
BEDFORD
FULTON
SOUTHERN ALLEGHENIES
PERRY
DAUPHIN
LEBANON
CUMBERLAND
LANCASTER
FRANKLIN
YORK
ADAMS
6
CAPITOL

☐ Appalachian Program: Urban Development Regions

▨ Appalachian Program: Rural Development Regions

▨ Non-Appalachian Regions

gories and academic program designations. Most federal agencies are using this code to designate their own activities and those of contract performers.

It will be helpful to illustrate the utility of this printed inventory with two abbreviated hypothetical searches.

Example A: A maufacturer of aircraft electronic switching devices is interested in locating research units in the Delaware Valley region?

Step 1: Select the closest SIC code number which in this case is *367, Electronic Components and Accessories.*

Step 2: Turn to the Delaware Valley section of the geographical index and scan the list for all "367's."

Step 3: There are quite a few but for purposes of this example we select only one Record ID, 40.

Step 4: Turn to the full list of units and find number 40, the Advanced Development Group of American Electronic Laboratory Industries, Inc. located in Lansdale. The keywords tell us that "military electronic systems" is one area of company activity. It is a large operation with 80 professionals on the staff and a range of test facilities.

Example B: The question in this case is a little different. It involves a service industry and places the emphasis on location. A business that markets accounting and tax services to medical practitioners, offices, and clinics is seeking a location in the Harrisburg area and needs analytical advice.

Step 1: Review SIC codes for the most appropriate general category, in this case 80 Health Services.

Step 2: Select the Record ID most often mentioned in this case, 47.

Step 3: Turn to the sequenced list and find number 47, Amicus Associates. They do market research and planning for the health fields and are located in Media, Pennsylvania.

It is important to note that the respondents themselves selected all designators, SIC codes, NCES codes, and keyword descriptors. On the survey instrument used to collect information the following data categories were included:

1. The title of the research and development unit.
2. The name and mailing address of the company or institution.
3. The county where located.
4. The geographical region in which the county is located.
5. The telephone number of the research unit.
6. A maximum of three NCES codes.

7. A maximum of three SIC codes.
8. A maximum of three self-selected keyterms.
9. Number of Personnel.
10. Approximate amount of R & D funding.
11. Special facilities or equipment.
12. Special buildings.
13. Specialized libraries.
14. Cooperative arrangements with other organizations.
15. Typical outputs or products of the unit.

These are the elements of each entry. If a unit did not respond to an item, the default value assigned was "N/A." It does not imply that the data is non-existent but only that they chose not to answer.

The Advantages of the Inventory

Institutions, state agencies across the nation, and federal offices share an interest in the central purpose of the Pennsylvania Research Inventory Project. The question was neatly summarized by a rhetorical question recently posed in *The Research News* from the University of Michigan (June 1980), "Is there a central, well known mechanism through which a company (or individual, or agency) can locate the diverse talents and people available for consultation. . .?"

In Pennsylvania the answer is now Yes! By using research units rather than individual scientists, projects, or facilities this *Inventory* captures a range of information in a durable form. It is estimated that this material can be usefully updated and amended at intervals of two to three years. The target population for collection was the universe of corporate and institutional entities likely to have, and capable of supporting, a research effort. A sampling approach would have been useful for an academic inquiry however when the objective is a bank of information most useful to the active business community only a total approach is satisfactory.

Because the questionnaire was designed around twelve key items, the task of responding was rendered simple and operated to increase the replies. In many cases institutions were presented with partially completed forms showing data already in the public domain. Since much of this needed correction, the incentive to respond was heightened. Careful answers were given to telephone inquiries and letters throughout the collection stage. Items on the instrument were not entirely pre-set in order to give respondents a full choice in the classification of their activities. They were also free to withhold answers on items considered sensitive. All these features contributed to the completeness and reliability of the material in this report.

The Computer-Based File and other Resources

Useful as the printed data set may be, its value as a development tool is immeasurably increased when the information is linked into additional resources available in the Commonwealth of Pennsylvania. By contacting the office listed below the full scope of the file main-

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tained in the computer can be addressed in a great variety of ways. The data management system currently in use is SPIRES, Stanford Public Information Retrieval System. Variable length entries have made it possible to retain all of the information provided by respondents on the survey forms. The file is accessable along thirteen separate items thus affording much more flexibility than any printed inventory. Of course, selected materials can be printed out in hard copy. In summary, this *Inventory* in both forms presents a versatile, timely, and comprehensive body of information on the corporate and academic research activity in the State.

Additional information on the other programs for economic development can be gathered in conjunction with this inventory. The Department of Commerce is the principal avenue for such inquiries. They can prepare the computer search to answer requests, offer consultation on development procedures, and provide information on related programs offered by the State or under Federal auspices. Inquiries should be directed to:

Director, Bureau of Research
Statistics and Planning
Room 410, Forum Building
Pennsylvania Department of Commerce
Harrisburg, Pennsylvania 17120
(Telephone number: 717/787/4088)

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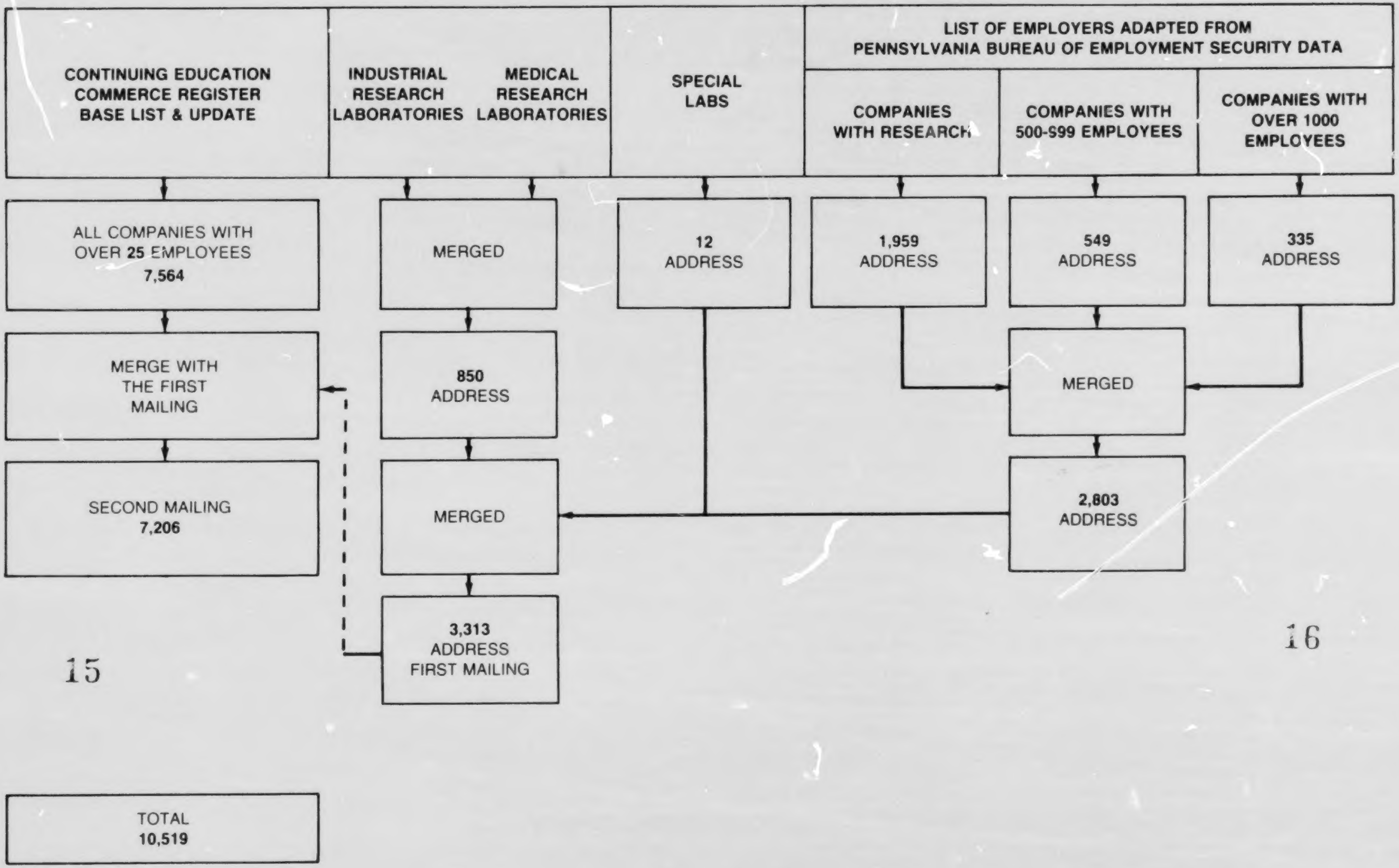
PENNSYLVANIA RESEARCH INVENTORY PROJECT
THREE PHASES IN COLLECTION OF INFORMATION

	COLLEGES	MAJOR RESEARCH UNIVERSITIES	CORPORATE SECTOR
TOTAL #	**102** COLLEGES	**9** RESEARCH UNIVERSITIES	'KNOWN RESEARCH' **3,313** 'UNKNOWN RESEARCH' **7,206**
MATERIALS	— LETTER TO THE PRESIDENT — DESCRIPTION OF THE PROJECT — SURVEY FORM	— LETTER TO THE PRESIDENT — DESCRIPTION OF THE PROJECT — SURVEY FORM FOR EACH OF THE IDENTIFIED RESEARCH UNIT	— LETTER TO THE CHIEF EXECUTIVE OFFICER — DESCRIPTION OF THE PROJECT — SURVEY FORM
PROCEDURES	— MAILING — REMINDER LETTER — TELEPHONE FOLLOW-UP VERIFIED	— VISITING THE CAMPUSES — TELEPHONE FOLLOW-UP VERIFIED	— MAILING — FOLLOW-UP 'KNOWN RESEARCH' GROUP

CORPORATE MAILING LIST


CONTINUING EDUCATION COMMERCE REGISTER BASE LIST & UPDATE
INDUSTRIAL RESEARCH LABORATORIES
MEDICAL RESEARCH LABORATORIES
SPECIAL LABS
LIST OF EMPLOYERS ADAPTED FROM PENNSYLVANIA BUREAU OF EMPLOYMENT SECURITY DATA
COMPANIES WITH RESEARCH
COMPANIES WITH 500-999 EMPLOYEES
COMPANIES WITH OVER 1000 EMPLOYEES
ALL COMPANIES WITH OVER 25 EMPLOYEES 7,564
MERGED
12 ADDRESS
1,959 ADDRESS
549 ADDRESS
335 ADDRESS
MERGE WITH THE FIRST MAILING
850 ADDRESS
MERGED
SECOND MAILING 7,206
MERGED
2,803 ADDRESS
3,313 ADDRESS FIRST MAILING
TOTAL 10,519

INVENTORY ENTRIES LISTED ALPHABETICALLY

1
A.C. BALLAULN AND CO., INC.
A.C. BALLAULN, DIRECTOR
A.C. BALLAULN AND CO., INC.
403 MORRIS LANE
WALLINGFORD, PA 19086
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-872-2410

N.C.E.S. CODES
14.020000
S.I.C. CODES
372
KEYWORDS
HELICOPTERS
AIRCRAFT
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $25000.00

FACILITIES: ENGINEERING OFFICE

BUILDINGS: N/A

COLLECTIONS: SMALL TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

2
A.C. MFG. CO.
BRUCE PAUL, DIRECTOR
A.C. MFG. CO.
2933 RIVER ROAD
CROYDON, PA 18954
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-785-5119

N.C.E.S. CODES
14.110000
14.100000
14.090000
S.I.C. CODES
343
KEYWORDS
AIR CONDITIONING PRODUCTS
AIR CONDITIONING CONCEPTS
AIR CONDITIONING COMPONENTS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

FACILITIES: COMPUTERIZED ENVIRONMENTAL TEST CHAMBER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

3
ACADEMY OF NATURAL SCIENCES
DR. ROBIN L. VANNOTE, DIRECTOR
STROUD WATER RESEARCH CENTER
RD 1, BOX 512
AVONDALE, PA 19348
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-268-2153

N.C.E.S. CODES
26.060300
30.010100
S.I.C. CODES
892
KEYWORDS
BASIC RESEARCH
AQUATIC ECOSYSTEMS
STREAMS AND RIVERS
PERSONNEL
5 RESEARCH PROFESSIONALS
15 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $600000.00

FACILITIES: ECOLOGICAL RESEARCH LAB, CALIBRATED WATER SHEDS, AND EXPERIMENTAL LABS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: UNIVERSITY OF DELAWARE, WEST CHESTER STATE COLLEGE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA

OUTPUTS: N/A

4
ACKER DRILL CO.
W.L. ACKER, DIRECTOR
ACKER DRILL CO.
P.O. BOX 830

SCRANTON, PA 18501
LACKAWANNA COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-586-2061

N.C.E.S. CODES
0
S.I.C. CODES
35
353
KEYWORDS
DRILLS
MINERAL EXPLORATION
PERSONNEL
3 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

5
ADHESIVES RESEARCH, INC.
CHARLES FOX, DIRECTOR
ADHESIVES RESEARCH, INC.
P.O. BOX 245E
GLEN ROCK, PA 17327
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-235-4860

N.C.E.S. CODES
40.050100
40.050400
14.070000
S.I.C. CODES
282
286
289
KEYWORDS
ADHESIVES
PRESSURE SENSITIVITIES
COATINGS
PERSONNEL
6 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1100000.00

FACILITIES: VARIETY OF REACTORS FOR SOLVENT AND EMULSION POLYMERIZATION, EXTENSIVE RANGE OF COATING AND SPECIALIZED CONVERTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

6
ADVANCED MECHANIZATION, INC.
WILLIAM BREHM, DIRECTOR
ADVANCED DEVELOPMENT
795 HORSHAM ROAD
HORSHAM, PA 19044
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-672-9000

N.C.E.S. CODES
14.990000
14.100000
14.110000
S.I.C. CODES
355
369
KEYWORDS
DIE-BONDING MACHINERY
INTEGRATED CIRCUITS SUBCOMPONENTS
HIGH TECHNOLOGY
PERSONNEL
4 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

FACILITIES: ELECTRONIC TEST EQUIPMENT AND COMPONENTS

BUILDINGS: N/A

COLLECTIONS: TRADE MAGAZINES AND JOURNALS LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

7
AEGIS ENERGY SYSTEMS, INC.
MITCHELL ROSENBAUM, DIRECTOR
AEGIS ENERGY SYSTEMS, INC.
607 AIRPORT BOULEVARD
DOYLESTOWN, PA 18901
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-348-7662

N.C.E.S. CODES
14.100000
14.270000
S.I.C. CODES
362
KEYWORDS
ENERGY CONSERVATION
ENERGY MANAGEMENT SYSTEMS
ENERGY CONTROL STRATEGIES
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $80000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

8
AEROTECH, INC.
JOHN P. TRAUGUT, DIRECTOR
AEROTECH, INC.
101 ZETA DRIVE
PITTSBURGH, PA 15238-2897
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-963-7470

N.C.E.S. CODES
14.100000
S.I.C. CODES
382
KEYWORDS
MOTION CONTROL
COMPONENTS AND SYSTEMS
MICROPROCESSOR
PERSONNEL
7 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
14 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: DEVELOPMENT LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

9
AETNA-STANDARD ENGINEERING COMPANY
D.A. POZSGAY, DIRECTOR
AETNA-STANDARD ENGINEERING COMPANY
ONE OLIVER PLAZA, 26TH FLOOR
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-263-2345

N.C.E.S. CODES
14.190000
S.I.C. CODES
354
353
356
KEYWORDS
EQUIPMENT IMPROVEMENT
PERSONNEL
2 RESEARCH PROFESSIONALS
24 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: COMPLETE WELD AND MACHINE SHOP

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: BETWEEN COMPANY UNITS

OUTPUTS: N/A

10
AFFILIATED RISK CONTROL ADMINISTRATORS OF PENNA, INC.
N/A, DIRECTOR
AFFILIATED RISK CONTROL ADMINISTRATORS OF PENNA, INC.
THE FAIRFAX
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: N/A

N.C.E.S. CODES
6.080000
S.I.C. CODES
99
KEYWORDS
RISK MANAGEMENT
HOSPITAL RISK MANAGEMENT
PERSONNEL
0 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

11
AIR PRODUCTS AND CHEMICALS, INC.
DR. JAMES A. SYKES, DIRECTOR
CHEMICALS GROUP R&D
P.O. BOX 538
ALLENTOWN, PA 18105
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-481-6710

N.C.E.S. CODES
45.050400
40.050300
14.070000
S.I.C. CODES
281
282
286
KEYWORDS
PROCESSES
SYNTHESIS
APPLICATIONS
PERSONNEL
105 RESEARCH PROFESSIONALS
24 SUPPORT PROFESSIONALS
74 TECHNICAL STAFF
32 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $13500000.00

FACILITIES: LABORATORIES, PRESSURE CELLS, HIGH BAY

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: UNIVERSITIES AND INSTITUTES

OUTPUTS: N/A

12
AIR PRODUCTS AND CHEMICALS, INC.
DR. BRIAN M. RUSHTON, DIRECTOR
CORPORATE RESEARCH GROUP
P. O. BOX 538
ALLENTOWN, PA 18105
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-481-8400

N.C.E.S. CODES
40.050400
40.050300
14.070000
S.I.C. CODES
281
282
286
KEYWORDS
DIVERSIFICATION
SCIENCE
TECHNOLOGY
PERSONNEL
59 RESEARCH PROFESSIONALS
32 SUPPORT PROFESSIONALS
51 TECHNICAL STAFF
34 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000000.00

FACILITIES: LABORATORIES, PRESSURE CELLS, HIGH BAY

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: UNIVERSITIES AND INSTITUTES

OUTPUTS: N/A

13
AIR PRODUCTS AND CHEMICALS, INC.
DR. RICHARD H. REIN, DIRECTOR
GAS GROUP TECHNOLOGY
P.O. BOX 538
ALLENTOWN, PA 18105
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-481-8200

N.C.E.S. CODES
14.070000
14.190000
14.200000
S.I.C. CODES
281
286
KEYWORDS
APPLICATIONS
SYSTEMS
GASES
PERSONNEL
19 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
9 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3500000.00

FACILITIES: LABORATORIES, PILOT PLANTS, HIGH BAY

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: UNIVERSITIES AND INSTITUTES

OUTPUTS: N/A

14
AIR PRODUCTS AND CHEMICALS, INC.
ANDREW J. WOYTEK, DIRECTOR
NEW PRODUCTS RESEARCH
R.D. #1, BOX 351
TAMAQUA, PA 18252
SCHUYLKILL COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-467-2981

N.C.E.S. CODES
  0
S.I.C. CODES
  281
  286
  289
KEYWORDS
  NEW PRODUCTS
  GAS-TYPE PRODUCTS
  FLUORINE-BASED PRODUCTS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

15
AIR PRODUCTS AND CHEMICALS, INC.
DR. GEORGE W. ROBERTS, DIRECTOR
PROCESS SYSTEMS GROUP R&D
P.O. BOX 538
ALLENTOWN, PA 18105
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-481-6197

N.C.E.S. CODES
  14.070000
  14.190000
  30.030100
S.I.C. CODES
  281
KEYWORDS
  CRYOGENICS
  PROCESSES
  APPLICATIONS
PERSONNEL
  20 RESEARCH PROFESSIONALS
  62 SUPPORT PROFESSIONALS
  20 TECHNICAL STAFF
  5 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $10500000.00

FACILITIES: LABORATORIES, PRESSURE CELLS, HIGH BAYS, PILOT PLANTS

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: UNIVERSITIES AND INSTITUTES

OUTPUTS: N/A

16
AIRCO CARBON
H.F. GOOCHEE, DIRECTOR
AIRCO CARBON TECHNICAL
800 THERESIA STREET
ST. MARYS, PA 15857
ELK COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 814-834-2801

N.C.E.S. CODES
  14.060000
  14.070000
  14.200000
S.I.C. CODES
  362
KEYWORDS
  NEW GRAPHITE PRODUCTS AND PROCESSES
PERSONNEL
  50 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  37 TECHNICAL STAFF
  10 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $5000000.00

FACILITIES: PILOT PLANTS, RESEARCH LABORATORY

BUILDINGS: TECHNICAL CENTER AT NIAGRA FALLS AND HOUSING AT ST. MARYS

COLLECTIONS: ONE LIBRARY AT NIAGRA FALLS AND ONE LIBRARY AT ST. MARYS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

17
ALAN GART, INC.
ALAN GART, DIRECTOR
ALAN GART, INC.
978 WARFIELD LANE
HUNTINGDON VALLEY, PA 19006
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-947-6860

N.C.E.S. CODES
6.030000
6.050000
6.100000
S.I.C. CODES
602
605
612
KEYWORDS
PROFIT PLANNING
ECONOMIC IMPACT STUDIES
MARKETING
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: COMPUTER WITH LARGE ECONOMIC AND FINANCIAL DATA BASES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

18
ALAN S. ROSENBERG ASSOC., INC.
DR. KENNETH WIDDALL, DIRECTOR
PRODUCTIVITY TRAINING
2529 BRIGHTON DRIVE
YORK, PA 17402
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-757-4770

N.C.E.S. CODES
7.050000
6.150000
42.090000
S.I.C. CODES
944
861
739
KEYWORDS
EMPLOYABILITY SKILL TRAINING
RETRAINING UNEMPLOYED WORKERS
PRODUCTIVITY TRAINING
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

BUILDINGS: N/A

COLLECTIONS: RECORDS OF SKILL TRAINING PROJECTS DESIGNED BY COMPANY

COOPERATIVE ARRANGEMENTS: SEVERAL WITH MAJOR COMPANIES AND GOVERNMENT FUNDING SOURCES

OUTPUTS: N/A

19
ALBRIGHT COLLEGE
DR. MORGAN S. HELLER, DIRECTOR
CHEMISTRY DEPARTMENT
P.O. BOX 516
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-921-2381

N.C.E.S. CODES
40.050400
30.010100
S.I.C. CODES
99
KEYWORDS
MECHANISTIC ORGANIC SULPHUR COMPOUNDS
PURINE-METAL INTERACTION
NUCLEAR MAGNETIC RESONANCE STUDIES
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000.00
PAST FUNDING
AVERAGE AMOUNT = $2200.00
SOURCES: ALBRIGHT COLLEGE, RESEARCH CORPORATION

FACILITIES: MODERN LABORATORIES EQUIPPED WITH ALMOST ALL NEEDED CHEMICAL INSTRUMENTATION

BUILDINGS: N/A

COLLECTIONS: CHEMISTRY LIBRARY WITH COMPLETE SET OF CHEMICAL ABSTRACTS AND FOREIGN AND DOMESTIC JOURNALS

COOPERATIVE ARRANGEMENTS: XIENTA, INC. AND M.D.S. LABORATORIES

OUTPUTS: OVER 20 RESEARCH REPORTS AND PUBLICATIONS

20
ALBRIGHT COLLEGE
DR. JOHN S. HALL, DIRECTOR
POPULATION ECOLOGY OF SMALL MAMMALS IN WEST VIRGINIA, PENNSYLVANIA, AND NEW JERSEY
N/A
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-921-2381

N.C.E.S. CODES
  26.060300
S.I.C. CODES
  892
KEYWORDS
  SMALL MAMMALS
  HABITAT
  BATS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1255.00
  SOURCES: U.S. FISH AND WILDLIFE SERVICE; ALBRIGHT COLLEGE
PAST FUNDING
  AVERAGE AMOUNT = $2800.00
  SOURCES: U.S. FISH AND WILDLIFE SERVICE; NEW JERSEY DIVISION OF FISH, GAME, AND WILDLIFE; ALBRIGHT COLLEGE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

21
ALBRIGHT COLLEGE
DR. GERALD KREIDER, DIRECTOR
STUDY OF CHROMATIC AND MUTAGENIC CHANGES IN ORGANIC DYES BY BACTERIA OF THE GENUS CLOSTRIDIUM
BIOLOGY DEPARTMENT
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-921-2381

N.C.E.S. CODES
  26.030200
S.I.C. CODES
  892
KEYWORDS
  DECOLORATION
  ANAEROBIC
  BACTERIAL
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $250.00
  SOURCES: ALBRIGHT COLLEGE
PAST FUNDING
  AVERAGE AMOUNT = $250.00
  SOURCES: ALBRIGHT COLLEGE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND JOURNAL ARTICLES

22
ALCAN CABLE
RICHARD W. KLINE, DIRECTOR
PRODUCT AND PROCESS DEVELOPMENT
409 REIGHARD AVENUE
WILLIAMSPORT, PA 17701
LYCOMING COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-326-3771

N.C.E.S. CODES
  14.070000
  14.100000
  14.190000
S.I.C. CODES
  364
  361
  362
KEYWORDS
  ALUMINUM
  WIRE
  CABLE
PERSONNEL
  5 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  1 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

FACILITIES: ELECTRICAL TEST EQUIPMENT; RHEOLOGICAL TEST EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SMALL REFERENCE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

23
ALCHEMIS, INC.
DONALD L. AMIG, DIRECTOR
R&D SECTION
7295 PARK DRIVE, R.D. #3
BATH, PA 18104
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-837-1998

N.C.E.S. CODES
  40.070300
  40.990000
  40.079900
S.I.C. CODES
  739
KEYWORDS
  ANALYTICAL TECHNIQUES
  ENVIRONMENTAL SCIENCES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $200000.00

FACILITIES: COMPLETE ANALYTICAL FACILITIES INCLUDING WET CHEMISTRY, GC, IR, AA AND GC/MS, XRD

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH ALL LOCAL COLLEGES AND UNIVERSITIES; SEVERAL INDUSTRIAL COOPERATIVES

OUTPUTS: N/A

24
ALLEGHENY COLLEGE
DR. EARL W. ADAMS, DIRECTOR
DEPARTMENT OF ECONOMICS
QUIGLEY HALL
MEADVILLE, PA 16335
CRAWFORD COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-724-3361

N.C.E.S. CODES
  6.090000
  6.140000
S.I.C. CODES
  972
KEYWORDS
  INTERNATIONAL TRADE
  ECONOMICS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

25
ALLEGHENY LUDLUM INDUSTRIES
DONALD C. HELTON, DIRECTOR
ALLOY RODS INC.
WILSON AVENUE, P.O. BOX 517
HANOVER, PA 17331
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-637-8911

N.C.E.S. CODES
  14.200000
  14.070000
  14.110000
S.I.C. CODES
  349
KEYWORDS
  EXTRUSION COATED ELECTRODES
  FLUX CORED WELDING WIRES
  SUBMERGED ARC WELDING WIRES
PERSONNEL
  8 RESEARCH PROFESSIONALS
  10 SUPPORT PROFESSIONALS
  19 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1400000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

26
ALLEGHENY LUDLUM STEEL CORPORATION
DR. G.L. HOUZE, DIRECTOR
RESEARCH CENTER
N/A
BRACKENRIDGE, PA 15014
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-226-2000

N.C.E.S. CODES
14.200000
40.070100
40.050200
S.I.C. CODES
331
KEYWORDS
STAINLESS STEEL
ELECTRICAL STEEL
STEELMAKING PROCESS
PERSONNEL
37 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
59 TECHNICAL STAFF
17 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $6500000.00

FACILITIES: EXTENSIVE ELECTRON OPTICAL MATERIALS CHARACTERIZATION EQUIPMENT;CORROSION LABORATORY; MAGNETIC MEASUREMENTS; PILOT FACILITIES FOR MELTING AND PROCESSING SPECIAL STEELS ON A SMALL SCALE UP TO 500 POUNDS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

27
ALLEGHENY POWER SERVICE CORPORATION
MR. M. A. JANSEN, DIRECTOR
R & D AND STUDIES DEPARTMENT
800 CABIN HILL DRIVE
GREENSBURG, PA 15601
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-838-6411

N.C.E.S. CODES
30.030100
S.I.C. CODES
491
KEYWORDS
IMPROVE EFFICIENCIES
REDUCE COSTS
CONSERVE ENERGY
CURRENT FUNDING
AVERAGE AMOUNT = $3500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ON BEHALF OF, IN COLLABORATION WITH AND FUNDED BY ALLEGHENY POWER SYSTEM OPERATING COMPANIES: MONONGAHELA POWER COMPANY, THE POTOMAC EDISON COMPANY AND WEST PENN POWER COMPANY

OUTPUTS: N/A

28
ALLEN PRODUCTS COMPANY, INC.
DENNIS J. BOBITA, DIRECTOR
TECHNICAL SERVICES
P.O. BOX 2187
ALLENTOWN, PA 18001
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-398-4500

N.C.E.S. CODES
0
S.I.C. CODES
20
201
209
KEYWORDS
PET FOODS
CANINE, FELINE
NUTRITIONAL RESEARCH
PERSONNEL
11 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
18 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

FACILITIES: FOOD PROCESSING PILOT FACILITY, CLINICAL LABORATORY, FOOD CHEMISTRY LABORATORY, CANINE/FELINE KENNEL, POTABLE AND WASTE WATER LABORATORY (FEDERAL & STATE APPROVED)

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

29
ALLIED CORPORATION
DR. F.A. DEANTONIS, DIRECTOR
FILM R & D
P.O BOX 697
POTTSVILLE, PA 17901
SCHUYLKILL COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-622-3384

N.C.E.S. CODES
  14.070000
  40.050400
  40.050200
S.I.C. CODES
  282
  307
KEYWORDS
  FILMS DEVELOPMENT
  FILMS PRODUCT DEVELOPMENT
PERSONNEL
  10 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  10 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1500000.00

FACILITIES: BLOWN AND CAST FILM EXTRUDERS; PILOT COEXTRUSION LINE; FILM TESTING EQUIPMENT; GC; IR; DSC

BUILDINGS: N/A

COLLECTIONS: UTILIZES COMPANY TECHNICAL INFORMATION DEPARTMENT

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

30
ALLIED CORPORATION - C&D BATTERIES DIVISION
DAVE BODEN, DIRECTOR
RESEARCH & DEVELOPMENT DEPARTMENT
3043 WALTON ROAD
PLYMOUTH MEETING, PA 19462
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-828-9000

N.C.E.S. CODES
  14.100000
  40.050300
S.I.C. CODES
  369
KEYWORDS
  LEAD-ACID BATTERIES
  BATTERY CHARGERS
PERSONNEL
  13 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  10 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1125000.00

FACILITIES: ELECTROCHEMICAL TEST FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

31
ALLIED CORPORATION - NORTH AMERICAN
REFRACTORIES COMPANY (NARCO) DIVISION
R. WHITFORD, DIRECTOR
TECHNICAL CENTER
3127 RESEARCH DRIVE
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-2879

N.C.E.S. CODES
  14.060000
S.I.C. CODES
  325
KEYWORDS
  REFRACTORIES
PERSONNEL
  22 RESEARCH PROFESSIONALS
  8 SUPPORT PROFESSIONALS
  32 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $3300000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

32
ALLIED FIBERS & PLASTICS COMPANY
DR. T.H. INSINGER, DIRECTOR
CHEMICAL DEVELOPMENT LABORATORY
MARGARET & BERMUDA STREETS
PHILADELPHIA, PA 19137
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-533-3000

N.C.E.S. CODES
40.050200
40.050400
40.050600
S.I.C. CODES
286
KEYWORDS
PHENOL EX CUMENE PROCESS
ANALYTICAL METHODS
PERSONNEL
6 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $450000.00

FACILITIES: IR; UV-VIS; NMR; FLUORESCENCE; AA SPECTROPHOTOMETERS; LIQUID, GAS, ION AND SIZE EXCLUSION CHROMATOGRAPHY; GC/IR; COMPUTERS

BUILDINGS: N/A

COLLECTIONS: SMALL TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

33
ALLIS-CHALMERS FLUID PRODUCTS COMPANY
MR. S.A. CHACOUR, DIRECTOR
R&D & ENGINEERING SERVICES
BOX 712
YORK, PA 17405
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-792-3511

N.C.E.S. CODES
14.130000
14.190000
14.090000
S.I.C. CODES
351
355
356
KEYWORDS
HYDRAULIC TURBINES
PUMPS
COMPRESSORS
PERSONNEL
34 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
32 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3000000.00

FACILITIES: COMPUTERS, SPECIAL MACHINING EQUIPMENT

BUILDINGS: HYDRAULIC LABORATORY

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH THE ADVANCED TECHNOLOGY CENTER OF ALLIS-CHALMERS, MILWAUKEE, WI

OUTPUTS: N/A

34
ALMARIN PHILLIPS, INC.
N/A, DIRECTOR
ALMARIN PHILLIPS, INC.
1115 REMINGTON ROAD
WYNNEWOOD, PA 19096
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-896-5017

N.C.E.S. CODES
45.060100
45.100100
S.I.C. CODES
99
KEYWORDS
CONSULTING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

35
ALTMAN & WEIL, INC.
ROBERT I. WEIL, DIRECTOR
ALTMAN & WEIL, INC.
P.O. BOX 472
ARDMORE, PA 19003
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-649-4646

N.C.E.S. CODES
45.060000
S.I.C. CODES
81
KEYWORDS
SALARY DATA
ECONOMIC DATA
OCCUPATION STATISTICS

PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

36
ALUMINUM COMPANY OF AMERICA
KENNETH J. BRONDYKE, DIRECTOR
ALCO LABORATORIES
ALCOA TECHNICAL CENTER
ALCOA CENTER, PA 15069
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-339-6651

N.C.E.S. CODES
0
S.I.C. CODES
333
344
105
KEYWORDS
ALUMINUM SMELTING
ALUMINUM MILL PRODUCTS
ALUMINUM RECYCLING TECHNOLOGY
PERSONNEL
341 RESEARCH PROFESSIONALS
23 SUPPORT PROFESSIONALS
477 TECHNICAL STAFF
105 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $91000000.00

FACILITIES: LARGE LIGHT METALS RESEARCH AND ENGINEERING FACILITY

BUILDINGS: COMPLEX OF FIVE MAJOR BUILDINGS

COLLECTIONS: SCIENTIFIC AND ENGINEERING LIBRARY OF 16000 BOUND VOLUMES, OVER 5000 TRANSLATIONS AND 700 JOURNALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

37
ALVERNIA COLLEGE
SISTER M. ALODIA, DIRECTOR
ISOLATION AND IDENTIFICATION OF SOME ALKALOIDS OF TARAXACUM OFFICINALIS
N/A
READING, PA 19607
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-777-7279

N.C.E.S. CODES
26.020000
40.050500
40.050400
S.I.C. CODES
283
KEYWORDS
ISOLATION
ALKALOIDS
CHROMATOGRAPHY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: EXTRACTORS, EVAPORATORS, UV, IR, TLC, HPLC

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

38
AMBLER PSYCHOLOGICAL SERVICES
DR. PAULA B. AMAR, DIRECTOR
AMBLER PSYCHOLOGICAL SERVICES
140 NORTH STREET
AMBLER, PA 19002
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-643-5194

N.C.E.S. CODES
42.990000
42.110000
42.020000
S.I.C. CODES
804
KEYWORDS
BIOFEEDBACK
BEHAVIOR THERAPY
STRESS
PERSONNEL
2 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS

2 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: BIOFEEDBACK LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

39
AMERICAN BOARD OF INTERNAL MEDICINE
DR. GEORGE D. WEBSTER, DIRECTOR
AMERICAN BOARD OF INTERNAL MEDICINE
3624 MARKET STREET
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-243-1500

N.C.E.S. CODES
18.101000
41.990000
42.130000
S.I.C. CODES
809
KEYWORDS
MEDICAL COMPETENCE
EVALUATION
COMPUTER SIMULATION
PERSONNEL
3 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400000.00

FACILITIES: DEC/VAX 11/750

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

40
AMERICAN ELECTRONIC LAB INDUSTRIES INC.
MR. RAYMOND MARKOVITZ, DIRECTOR
ADVANCED DEVELOPMENT GROUP
P.O. BOX 552
LANSDALE, PA 19446
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-822-2929

N.C.E.S. CODES
0
S.I.C. CODES
971
366
367
KEYWORDS
ANTENNAS
RECEIVERS
MILITARY ELECTRONIC SYSTEMS
PERSONNEL
80 RESEARCH PROFESSIONALS
40 SUPPORT PROFESSIONALS
100 TECHNICAL STAFF
50 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000000.00

FACILITIES: COMPLETE TESTING FACILITIES, INCLUDING ENVIRONMENTAL TESTING FACILITIES

BUILDINGS: N/A

COLLECTIONS: CORPORATE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

41
AMERICAN HOME FOODS, INC.
MR. DAVID L. MARSH, DIRECTOR
CENTRAL RESEARCH LABORATORY
MARR STREET
MILTON, PA 17847
NORTHUMBERLAND COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-742-7621

N.C.E.S. CODES
1.040200
S.I.C. CODES
209
KEYWORDS
CANNED AND PACKAGED CONVENIENT FOODS
PRODUCT IMPROVEMENT
NEW PRODUCTS
PERSONNEL
14 RESEARCH PROFESSIONALS
19 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

FACILITIES: GAS CHROMATOGRAPH; HIGH PRESSURE LIQUID CHROMATOGRAPH; ATOMIC ABSORPTION SPECTROPHOTOMETER; PLUS GRAPHITE FURNACE; HUNTER

COLOR METER; KJELDAHL DIGESTION AND DISTILLATION APPARATUS; AND REFRACTOMETERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

42
AMERICAN INKS AND COATINGS CO.
RICHARD H. STONE, DIRECTOR
TECHNICAL DEPARTMENT
P.O. BOX 803
VALLEY FORGE, PA 19481
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-933-5848

N.C.E.S. CODES
  0
S.I.C. CODES
  275
KEYWORDS
  INKS
  FLEXIBLE PACKAGING
  CHEMICAL COATINGS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  14 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: FIVE ROOM RESEARCH LAB; GAS CHROMATOGRAPH

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY CONTAINING TECHNICAL LITERATURE ON RAW MATERIALS AND FORMULATIONS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

43
AMERICAN METERS, DIVISION OF THE SINGER CO.
IRWIN A. HICKS, DIRECTOR
PRODUCT DEVELOPMENT DEPARTMENT
13500 PHILMONT AVE
PHILADELPHIA, PA 19116
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-673-2100

N.C.E.S. CODES
  14.010000
  14.120000
  14.070000
S.I.C. CODES
  382
KEYWORDS
  NATURAL GAS METERS
  GAS REGULATORS
  CORRECTING INSTRUMENTS
PERSONNEL
  7 RESEARCH PROFESSIONALS
  19 SUPPORT PROFESSIONALS
  17 TECHNICAL STAFF
  8 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2900000.00

FACILITIES: MODEL SHOP, MATERIALS LAB, TEST LABS, HIGH PRESSURE LAB, MEASUREMENT (FLOW) LABS, FLOW MEASUREMENT 350 H 3 PROVING BELL (NATIONAL STANDARD)

BUILDINGS: N/A

COLLECTIONS: TECHNICAL AND PATENT LIBRARIES

COOPERATIVE ARRANGEMENTS: PRINCETON, MANY UTILITIES, REGULATORY AND STANDARDS GROUPS RELATED TO FLOW MEASUREMENT

OUTPUTS: N/A

44
AMERICAN OLEAN TILE CO.
DR. ROLAND R. VAN DER BECK, DIRECTOR
RESEARCH AND DEVELOPMENT FUNCTION
1000 CANNON AVENUE
LANSDALE, PA 19446
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-855-1111 EXT. 282

N.C.E.S. CODES
  14.060000
  14.180000
S.I.C. CODES
  325
  145
KEYWORDS
  CERAMIC TILE
  MATERIALS RESEARCH
  CERAMIC PROCESSES
PERSONNEL
  5 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  3 SUPPORT STAFF

FACILITIES: GENERAL CERAMICS LABORATORY, EXPERIMENTAL GLAZE LINE, AND ANALYTICAL LABORATORY

BUILDINGS: N/A

COLLECTIONS: SMALL SPECIALIZED LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

45
AMERICAN STERILIZER COMPANY
WILLIAM R. MILLER, DIRECTOR
RESEARCH AND DEVELOPMENT CENTER
2424 WEST 23RD STREET
ERIE, PA 16512
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-452-3100

N.C.E.S. CODES
14.050000
14.190000
14.100000
S.I.C. CODES
384
381
KEYWORDS
EQUIPMENT ENGINEERING
HOSPITAL EQUIPMENT
SURGICAL EQUIPMENT
CURRENT FUNDING
AVERAGE AMOUNT = $8000000.00

FACILITIES: MICROBIOLOGY, ANALYTICAL CHEMISTRY, METALLURGY, ELECTRICAL, AND LIGHTING LABORATORIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS AN EXTENSIVE BIOENGINEERING LIBRARY CONNECTED TO LOCKHEED DIALOG NETWORK

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

46
AMETEK, INC.
DR. F. SCHMIDT, DIRECTOR
APPLIED MATERIALS LAB
2 STATION SQUARE
PAOLI, PA 19301
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-647-2121

N.C.E.S. CODES
40.080800
3.010100
14.010000
S.I.C. CODES
382
367
349
KEYWORDS
INSTRUMENTS
ENERGY CONSERVATION
PERSONNEL
5 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $900000.00

FACILITIES: SOLID STATE PHYSICS LAB AND AN ELECTROCHEMICAL LAB

BUILDINGS: N/A

COLLECTIONS: WORKING LIBRARY

COOPERATIVE ARRANGEMENTS: LEHIGH UNIVERSITY, DREXEL UNIVERSITY, PENNSYLVANIA STATE UNIVERSITY

OUTPUTS: N/A

47
AMICUS ASSOCIATES
DR. ROBERT F. SHOULDIS, DIRECTOR
AMICUS ASSOCIATES
FRONT AND PLUM STREETS
MEDIA, PA 19063
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-565-3377

N.C.E.S. CODES
18.070100
18.070200
45.050100
S.I.C. CODES
801
803
806
KEYWORDS
MARKET RESEARCH
HOSPITAL PLANNING
UTILIZATION RESEARCH
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

48
AMOS J. SHALER, INC.
DR. AMOS J. SHALER, DIRECTOR
AMOS J. SHALER, INC.
705 WEST PARK AVENUE
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-237-4874

N.C.E.S. CODES
14.180000
14.200000
40.070100
S.I.C. CODES
359
492
494
KEYWORDS
WASTEWATER
NATURAL GAS
METAL STRUCTURES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A PERSONAL PROFESSIONAL LIBRARY PRIMARILY IN METALLURGY, WATER TREATMENT, COMBUSTION, AND PHYSICS

COOPERATIVE ARRANGEMENTS: INFORMAL ARRANGEMENTS WITH SEVERAL DEPARTMENTS AT THE PENNSYLVANIA STATE UNIVERSITY

OUTPUTS: N/A

49
AMP INCORPORATED
N/A, DIRECTOR
AMP INCORPORATED
P.O. BOX 3608
HARRISBURG, PA 17105
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-564-0100

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
HIGH TECHNOLOGY ENGINEERING
ELECTRONICS
ELECTRONIC TOOLS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

50
ANALYTICS INCORPORATED
SAMUEL D. EPSTEIN, DIRECTOR
SCIENTIFIC & OPERATIONS ANALYSIS GROUP
2500 MARYLAND ROAD
WILLOW GROVE, PA 19090
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-657-4100

N.C.E.S. CODES
11.000000
14.100000
28.000000
S.I.C. CODES
971
366
KEYWORDS
MODELS
SIMULATIONS
ANALYSIS
PERSONNEL
25 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

FACILITIES: COMPUTER LABORATORY, GRAPHIC ARTS FACILITIES

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: NUMEROUS WITH INDUSTRY, RUTGERS UNIVERSITY LABORATORY OF COMPUTER SCIENCE RESEARCH

OUTPUTS: N/A

51
ANEMOSTAT
W.H. ROUSSEAU, DIRECTOR
R&D
P.O. BOX 1083
SCRANTON, PA 18501
LACKAWANNA COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-346-6586

N.C.E.S. CODES
0
S.I.C. CODES
34
349
KEYWORDS
VAU TERMINAL BOXES
AIR MOTION
AIR DIFFUSERS
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

FACILITIES: AIR LABS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: PENN TAP

OUTPUTS: N/A

52
ANIMATION ARTS ASSOCIATES, INC.
N/A, DIRECTOR
ANIMATION ARTS ASSOCIATES, INC.
2225 SPRING GARDEN STREET
PHILADELPHIA, PA 19130
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-563-2520

N.C.E.S. CODES
0
S.I.C. CODES
781
KEYWORDS
RESEARCH AND DEVELOPMENT
MOTION PICTURES
FILMS
PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

FACILITIES: COMPUTERIZED 35MM ANIMATION STAND; TWO STEENBECK EDITING MACHINES; SOUND RECORDING STUDIO

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

53
ANITA GRUPP FIELD RESEARCH SERVICE
ANITA GRUPP, DIRECTOR
ANITA GRUPP FIELD RESEARCH SERVICE
911 COUNTRY CLUB DRIVE
PITTSBURGH, PA 15228
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-561-0310

N.C.E.S. CODES
6.140000
6.149900
S.I.C. CODES
20
739
KEYWORDS
CONSUMER MARKET
NEW PRODUCTS
PERSONNEL
2 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH SUPERMARKETS

OUTPUTS: N/A

54
ANTIBIOTIC RESEARCH INSTITUTE
DR. RICHARD V. MCCLOSKEY, DIRECTOR
ANTIBIOTIC RESEARCH INSTITUTE
2100 WALNUT STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-567-5720

N.C.E.S. CODES
18.101000
S.I.C. CODES
99
KEYWORDS
ANTIBIOTICS
INFECTIOUS DISEASES
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

FACILITIES: AUTOMATED MICROBIOLOGIC TESTING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

55
APPLIED SCIENCE ASSOCIATES, INC.
DR. JOHN D. FOLLEY, DIRECTOR
APPLIED SCIENCE ASSOCIATES, INC.
P.O. BOX 158
VALENCIA, PA 16059
BUTLER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-586-7771

N.C.E.S. CODES
6.040400
7.050000
11.050000
S.I.C. CODES
739
99
KEYWORDS
BUSINESS INFORMATION SYSTEMS
HUMAN FACTORS ENGINEERING
TASK ANALYSIS
PERSONNEL
62 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
22 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4000000.00

FACILITIES: SCIENTIFIC OFFICES AND TEST EQUIPMENT; PUBLICATION FACILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS INFORMATION CENTER ON BUSINESS AND INDUSTRY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

56
ARCO CHEMICAL COMPANY
JOHN P. SCHMIDT, DIRECTOR
TECHNOLOGY AND DEVELOPMENT
3801 WEST CHESTER PIKE
NEWTON SQUARE, PA 19073
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-359-2000

N.C.E.S. CODES
40.050400
14.070000
40.050600
S.I.C. CODES
286
282
289
KEYWORDS
ORGANIC INTERMEDIATES
BASIC ORGANIC CHEMICALS
SPECIALTY CHEMICALS
PERSONNEL
418 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
193 TECHNICAL STAFF
92 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000000.00

FACILITIES: POLYMER PROCESSING EQUIPMENT; PILOT PLANT FACILITIES; ANALYTICAL CHEMICAL INSTRUMENTS

BUILDINGS: N/A

COLLECTIONS: CHEMISTRY, CHEMICAL ENGINEERING, AND INDUSTRIAL CHEMICAL LIBRARY

COOPERATIVE ARRANGEMENTS: FOR MINOR SUPPORT OF OUTSIDE RESEARCH

OUTPUTS: N/A

57
ARCO CHEMICAL COMPANY
JOHN P. SCHMIDT, DIRECTOR
TECHNOLOGY AND DEVELOPMENT DEPARTMENT
1500 MARKET STREET
PHILADELPHIA, PA 19101
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-557-3369

N.C.E.S. CODES
40.050400
14.070000
40.050100
S.I.C. CODES
286
282
KEYWORDS
CHEMICALS
POLYMERS
PERSONNEL
252 RESEARCH PROFESSIONALS
148 SUPPORT PROFESSIONALS
186 TECHNICAL STAFF
116 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

58
ARGUS RESEARCH LABORATORIES, INC.
DR. MILDRED CHRISTIAN, DIRECTOR
ARGUS RESEARCH LABORATORIES, INC.
935 HORSHAM ROAD
HORSHAM, PA 19044
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-443-8710

N.C.E.S. CODES
17.039900
S.I.C. CODES
807
KEYWORDS
TOXIC ELEMENTS
MUTIGENESTIC ELEMENTS
REPRODUCTIVE HAZARDS
PERSONNEL
10 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
15 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1500000.00

FACILITIES: FULLY EQUIPPED LABORATORY WITH ANIMAL CAGES AND DATA PROCESSING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE REFERENCE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

59
ARK ELECTRONICS CORPORATION
ALBERT R. KALL, DIRECTOR
RF INTERFERENCE LABORATORY
1325 INDUSTRIAL HIGHWAY
SOUTHAMPTON, PA 18966
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-322-6510

N.C.E.S. CODES
14.050000
14.100000
30.030100
S.I.C. CODES
367
891
KEYWORDS
RF NOISE-INTERFERENCE
ELECTROMAGNETIC COMPATIBILITY
RADIATION HAZARDS
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000.00

FACILITIES: COMPLETE ELECTRONIC LABORATORY WITH LARGE SHIELDED ENCLOSURE AND RECEIVER INSTRUMENTS FROM 60 HZ TO 40 GHZ, SIGNAL SOURCES AND AMPLIFIERS FROM DC TO 18 GHZ, AND SUPPORTING ANTENNAS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF ENGINEERING REPORTS, SYMPOSIA PAPERS, AND ENGINEERING AND SCIENTIFIC TEXTS

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE UNIVERSITY OF PENNSYLVANIA AND TEMPLE UNIVERSITY HEALTH SCIENCES CENTER (INFORMAL)

OUTPUTS: N/A

60
ARK, INC.
ANTONI DE CHICCHIS, DIRECTOR
ARK INC.
5800 ALDERSON STREET
PITTSBURGH, PA 15217
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-422-1600

N.C.E.S. CODES
4.010000
S.I.C. CODES
892
KEYWORDS
TECHNOLOGY
ENERGY
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $75000.00

BUILDINGS: MODEL HOME

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

61
ARMSTRONG WORLD INDUSTRIES, INC.
D.D. BROWNING, DIRECTOR
RESEARCH AND DEVELOPMENT
2500 COLUMBIA AVENUE
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-397-0611

N.C.E.S. CODES
40.050300
40.050400
14.070000
S.I.C. CODES
307
266
227
KEYWORDS
RESEARCH
PRODUCT DEVELOPMENT
BUILDING PRODUCTS
PERSONNEL
225 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
200 TECHNICAL STAFF
35 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

62
ASBURY GRAPHITE MILLS
WILFRED M. KENAN, DIRECTOR
ASBURY CARBONS RESEARCH AND DEVELOPMENT
41 MAIN STREET
ASBURY, NJ 08802
COUNTY
DEVELOPMENT REGION
PHONE: 201-537-2155

N.C.E.S. CODES
14.145000
14.149000
28.281000
S.I.C. CODES
299
KEYWORDS
CARBON PRODUCT DEVELOPMENT
GRAPHITE PRODUCT DEVELOPMENT
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: PHYSICAL AND CHEMICAL CARBON TESTING FACILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY ON CARBON AND GRAPHITE

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

63
ASHLAND CHEMICAL COMPANY
DR. JAMES D. IDOL, DIRECTOR
ASHLAND CHEMICAL RESEARCH
P.O. BOX 2219
COLUMBUS, OH 43216
COUNTY
DEVELOPMENT REGION
PHONE: 614-889-3333

N.C.E.S. CODES
29.291000
29.297000
S.I.C. CODES
99
KEYWORDS
PETROCHEMICALS
PERSONNEL
100 RESEARCH PROFESSIONALS
100 SUPPORT PROFESSIONALS
25 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $12000000.00

FACILITIES: LARGE WELL EQUIPPED LABORATORY

BUILDINGS: N/A

COLLECTIONS: A TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: WORKS CLOSELY WITH ASHLAND PETROLEUM COMPANY

OUTPUTS: N/A

64
ASHLAND PETROLEUM COMPANY
DR. WM. P. HETTINGER, DIRECTOR
ASHLAND PETROLEUM RESEARCH
P.O. BOX 391
ASHLAND, KY 41114
COUNTY
DEVELOPMENT REGION
PHONE: 606-329-3333

N.C.E.S. CODES
29.291000
29.297000
S.I.C. CODES
99
KEYWORDS
PETROLEUM PROCESSES
PETROLEUM PRODUCTS
PERSONNEL
75 RESEARCH PROFESSIONALS
75 SUPPORT PROFESSIONALS
25 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $9000000.00

FACILITIES: LARGE WELL EQUIPPED LABORATORY

BUILDINGS: N/A

COLLECTIONS: A TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: WORKS CLOSELY WITH ASHLAND CHEMICAL COMPANY

OUTPUTS: N/A

65
ASPIRA INC. OF PENNA.
DR. MANUEL J. GUTIERREZ, DIRECTOR
RESEARCH PROJECT
526 WEST GIRARD AVENUE
PHILADELPHIA, PA 19123
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-923-2717

N.C.E.S. CODES
45.120100
S.I.C. CODES
941
KEYWORDS
HISPANIC FAMILIES
DROPPING OUT
DELINQUENCY
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $170000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

66
ASSET CENTER
R.S. DOYLE, DIRECTOR
ASSET CENTER
603 NORTH EASTON ROAD
WILLOW GROVE, PA 19090
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-657-0610

N.C.E.S. CODES
6.010000
6.060000
6.140000
S.I.C. CODES
739
941
KEYWORDS
MARKETING RESEARCH
CAREER PLANNING AND DEVELOPMENT
PRODUCTIVITY IMPROVEMENT
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $75000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

67
ASSOCIATED PLANNING AND DEVELOPMENT SERVICES, INC.
DR. MARVIN BROTTER, DIRECTOR
ASSOCIATED PLANNING AND DEVELOPMENT SERVICES, INC.
604 BROOKS BUILDING
SCRANTON, PA 18503
LACKAWANNA COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-344-1237

N.C.E.S. CODES
44.010000
44.020000
45.120100
S.I.C. CODES
99
KEYWORDS
COMMUNITY PLANS
FISCAL ANALYSIS
STRATEGIES
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

68
ASSOCIATES FOR BIBLICAL RESEARCH
DAVID LIVINGSTON, DIRECTOR
ASSOCIATES FOR BIBLICAL RESEARCH
3328 PAPER MILL ROAD
HUNTINGDON VALLEY, PA 19006
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-947-5369

N.C.E.S. CODES
42.060000
42.100000
45.100000
S.I.C. CODES
866
KEYWORDS
EVOLUTION RESEARCH
BIBILICAL ARCHAEOLOGY
OCCULT RESEARCH
PERSONNEL
2 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

FACILITIES: COMPUTER, COPYING AND DUPLICATION MACHINES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SMALL RESEARCH LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE INSTITUTE FOR CREATION RESEARCH AND THE NEAR EASTERN ARCHAEOLOGICAL SOCIETY

OUTPUTS: N/A

69
ASSOCIATION FOR RESEARCH, INC.
ALBERT B. GERBER, DIRECTOR
THE COMPANY
2G, 19 ROCK HILL ROAD
BALA CYNWYD, PA 19004
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-665-1600

N.C.E.S. CODES
22.010000
S.I.C. CODES
66
739
81
KEYWORDS
RESEARCH
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $60000.00

FACILITIES: WORD PROCESSOR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

70
ASSOCIATION MANAGEMENT & LEGISLATIVE SERVICES, INC.
JOHN H. BURTON, DIRECTOR
VARIOUS ASSOCIATION FACT FINDING COMMITTEES
SUITE 808, 240 NORTH THIRD STREET

HARRISBURG, PA 17101
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-238-4577

N.C.E.S. CODES
  0
S.I.C. CODES
  861
  862
  865
KEYWORDS
  ECONOMIC IMPACT
  POLITICAL IMPACT
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: SCRIPTOMATIC-ADDRESSOGRAPH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH OTHER MANAGEMENT CONSULTANTS

OUTPUTS: N/A

71
ATHENA CONTROLS, INC.
EGILS EVALDS, DIRECTOR
ATHENA RESEARCH DEPARTMENT
5145 CAMPUS DRIVE
PLYMOUTH MEETING, PA 19462
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-828-2490

N.C.E.S. CODES
  14.100000
S.I.C. CODES
  38
  383
KEYWORDS
  TEMPERATURE CONTROLS
  HEAT CONTROLS
  ELECTRONIC CONTROLS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $200000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

72
ATLAS POWDER CO.
DR. JOSEPH V. URENOVITCH, DIRECTOR
ATLAS RESEARCH AND DEVELOPMENT LAB
BOX 271
TAMAQUA, PA 18252
SCHUYLKILL COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-386-4121

N.C.E.S. CODES
  40.050100
  40.080100
  14.010000
S.I.C. CODES
  289
KEYWORDS
  EXPLOSIVES
  DETONATORS
PERSONNEL
  19 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  18 TECHNICAL STAFF
  5 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2500000.00

FACILITIES: FORMULATION LABORATORIES AND PILOT PLANTS; ANALYTICAL LABORATORIES; PACKAGING LABORATORY

BUILDINGS: SIX

COLLECTIONS: TECHNICAL LIBRARY WITH EMPHASIS ON EXPLOSIVES

COOPERATIVE ARRANGEMENTS: JOINT RESEARCH WITH NITRO NOBEL AB OF SWEDEN

OUTPUTS: N/A

73
AUTOCLAVE ENGINEERS, INC.
THEODORE R. SILVER, DIRECTOR
NEW PRODUCT DEVELOPMENT
P.O. BOX 4007
ERIE, PA 16512
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-838-2071

N.C.E.S. CODES
  14.070000
  14.250000
  14.200000

S.I.C. CODES
359
349
369
KEYWORDS
CHEMICAL AND PETROCHEMICAL RESEARCH EQUIPMENT
PERSONNEL
1 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

FACILITIES: TESTING LAB

BUILDINGS: N/A

COLLECTIONS: SMALL LITERATURE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

74
AVCO LYCOMING WILLIAMSPORT DIVISION, AVCO
CORPORATION
N/A, DIRECTOR
ENGINEERING DEPARTMENT
625 OLIVER STREET
WILLIAMSPORT, PA 17701
LYCOMING COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: N/A

N.C.E.S. CODES
14.020000
S.I.C. CODES
372
KEYWORDS
AIRCRAFT ENGINE
PISTON
TURBINE
PERSONNEL
30 RESEARCH PROFESSIONALS
20 SUPPORT PROFESSIONALS
22 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000000.00

FACILITIES: DYNAMOMETER, FLIGHT STANDS AND COMPONENT EQUIPMENT FOR COMPLETE EVALUATION OF AIRCRAFT ENGINES AND COMPONENTS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS COLLECTION OF TECHNICAL LITERATURE AND PERIODICALS

COOPERATIVE ARRANGEMENTS: COOPERATIVE ARRANGEMENTS THROUGH CONSULTANTS

OUTPUTS: N/A

75
AYDIN CORPORATION
I. GARY BARD, DIRECTOR
AYDIN COMPUTER SYSTEMS DIVISION
401 COMMERCE DRIVE
FORT WASHINGTON, PA 19034
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-643-0600

N.C.E.S. CODES
14.090000
11.020000
11.050000
S.I.C. CODES
366
KEYWORDS
COMPUTER SYSTEMS
RANDOM SCAN DISPLAY SYSTEMS
SOFTWARE DEVELOPMENT
PERSONNEL
35 RESEARCH PROFESSIONALS
20 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
50 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000000.00

FACILITIES: LARGE FACILITY FOR DEVELOPMENT PROJECTS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

76
AYDIN CORPORATION
DR. GEORGE LIGLER, DIRECTOR
AYDIN CONTROLS DIVISION
414 COMMERCE DRIVE
FORT WASHINGTON, PA 19034
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-542-7800

N.C.E.S. CODES
14.100000
4.990000
11.010000

S.I.C. CODES
366
KEYWORDS
COLOR DISPLAY TERMINAL ENGINEERING
AYCAD AND PATRIOT MONITORS
SOFTWARE DESIGN
PERSONNEL
96 RESEARCH PROFESSIONALS
150 SUPPORT PROFESSIONALS
30 TECHNICAL STAFF
132 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $35000000.00

FACILITIES: LARGE FACILITY OF THREE BUILDINGS FOR MANUFACTURING, ENGINEERING AND ADMINISTRATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

77
AYDIN CORPORATION
PALLE CHRISTENSEN, DIRECTOR
AYDIN MONITOR SYSTEMS DIVISION
502 OFFICE CENTER DRIVE
FORT WASHINGTON, PA 19034
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-646-8100

N.C.E.S. CODES
11.050000
14.090000
10.019900
S.I.C. CODES
366
KEYWORDS
SOFTWARE DEVELOPMENT
GROUND TELEMETRY NETWORKS
SPECIAL TELECOMMUNICATIONS SYSTEMS
PERSONNEL
51 RESEARCH PROFESSIONALS
100 SUPPORT PROFESSIONALS
30 TECHNICAL STAFF
43 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $23000000.00

FACILITIES: MAINTAINS A LARGE FACILITY WHICH ENCOMPASSES ENGINEERING, MANUFACTURING, AND ADMINISTRATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

78
AYDIN CORPORATION
JOHN VANDERSLICE, DIRECTOR
AYDIN VECTOR DIVISION
FRIENDS LANE, P.O. BOX 328
NEWTOWN, PA 18940
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-698-0668

N.C.E.S. CODES
14.090000
11.050000
14.020000
S.I.C. CODES
366
KEYWORDS
AIRBORNE TELEMETRY
AEROSPACE MILITARY PRODUCTS AND SYSTEMS
MICROCIRCUITS
PERSONNEL
20 RESEARCH PROFESSIONALS
120 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
100 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $20000000.00

FACILITIES: LARGE FACILITY OF TWO BUILDINGS FOR DEVELOPMENT PROJECTS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

79
BABCOCK AND WILCOX COMPANY
GEORGE F. TISINAI, DIRECTOR
TUBULAR PRODUCTS GROUP
P.O. BOX 401
BEAVER FALLS, PA 15010
BEAVER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-846-0100

N.C.E.S. CODES
14.200000
14.190000
14.270000
S.I.C. CODES
344

331
353
KEYWORDS
OIL COUNTRY TUBULAR GOODS
PRESSURE TUBING
MECHANICAL TUBING
PERSONNEL
35 RESEARCH PROFESSIONALS
340 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1500000.00

FACILITIES: FULL PLANT FACILITIES

BUILDINGS: HUGE BUILDINGS TO HOUSE ELECTRIC MELTING, FURNACES, BLOOMING MILL, BAR MILLS, BAR TO TUBE CONVERSION UNITS AND COLD FINISHING OF TUBULAR PRODUCTS

COLLECTIONS: SMALL LIBRARY

COOPERATIVE ARRANGEMENTS: WHEN FUNDAMENTAL ANALYSES ARE NEEDED, TPG CONTRACTS THE SERVICES OF FACILITIES AND MAN-POWER OF THE CORPORATE LABORATORIES LOCATED IN ALLIANCE, OHIO AND LYNCHBURG, VIRGINIA

OUTPUTS: N/A

80
BACHARACH INSTRUMENT COMPANY DIVISION OF AMBAC
INDUSTRIES, INC.
ABRAHAM Y. ANOUCHI, DIRECTOR
BACHARACH
301 ALPHA DRIVE
PITTSBURGH, PA 15238
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-784-2040

N.C.E.S. CODES
0
S.I.C. CODES
382
381
KEYWORDS
ELECTRONIC INSTRUMENTS
GAS DETECTION
DIESEL ENGINEERING
PERSONNEL
8 RESEARCH PROFESSIONALS
17 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
5 SUPPORT STAFF

FACILITIES: RESEARCH LABORATORIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS SMALL IN-HOUSE TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: COOPERATES WITH OTHER RESEARCH TECHNICAL CENTERS OF THE CORPORATION

OUTPUTS: N/A

81
BAKER INSTRUMENTS CORPORATION
DR. ROLF HUSEBY, DIRECTOR
BAKER INSTRUMENTS CORPORATION
100 CASCADE DRIVE, P.O. BOX 2168
ALLENTOWN, PA 18001
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-264-2800

N.C.E.S. CODES
17.030200
17.030700
14.050000
S.I.C. CODES
809
384
KEYWORDS
MEDICAL TECHNOLOGY
MEDICAL INSTRUMENTATION
DIAGNOSTICS
PERSONNEL
31 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4000000.00

FACILITIES: SPECIAL LABORATORIES AND ENGINEERING FACILITIES FOR RESEARCH AND DEVELOPMENT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A MEDIUM-SIZED LIBRARY

COOPERATIVE ARRANGEMENTS: EDUCATION COOPERATIVES WITH LEHIGH UNIVERSITY, MUHLENBERG COLLEGE, CEDAR CREST COLLEGE, AND MORAVIAN COLLEGE

OUTPUTS: N/A

82
BARRY E. MILLER COMPANY
MR. BARRY E. MILLER, DIRECTOR
BARRY E. MILLER COMPANY
234 NORTH 6TH STREET
READING, PA 19601
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-378-1104

N.C.E.S. CODES
6.130100
6.030000
11.010000
S.I.C. CODES
739
899
99
KEYWORDS
FINANCIAL MANAGEMENT
SURVEYS
COMPUTER
PERSONNEL
3 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: COMPUTER FACILITIES THROUGH ALBRIGHT COLLEGE

OUTPUTS: N/A

83
BARTOW ASSOCIATES, INC.
PHILIP E. BARTOW, DIRECTOR
BARTOW ASSOCIATES, INC.
BOX 8
SWARTHMORE, PA 19081
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-544-8335

N.C.E.S. CODES
6.010000
11.000000
6.060000
S.I.C. CODES
899
KEYWORDS
MANAGEMENT
SYSTEMS
CHANGE
PERSONNEL
4 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

84
BASIC TECHNOLOGY INCORPORATED
THOMAS J. WALCOTT, DIRECTOR
BASIC TECHNOLOGY INCORPORATED
7125 SALTSBURG ROAD
PITTSBURGH, PA 15235
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-795-5300

N.C.E.S. CODES
14.000000
14.010000
14.090000
S.I.C. CODES
89
891
KEYWORDS
SOFTWARE DEVELOPMENT
ENGINEERING ANALYSIS
RELIABILITY
PERSONNEL
30 RESEARCH PROFESSIONALS
15 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

85
BECO ENGINEERING COMPANY
B. J. LERNER, DIRECTOR
POLLUTION CONTROL
P. O. BOX 39
GLENSHAW, PA 15116
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-486-4900

N.C.E.S. CODES
14.270000
40.050000
S.I.C. CODES
356
891
KEYWORDS
AIR POLLUTION
POLLUTION CONTROL

PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

86
BELL LABORATORIES
M.J. THOMPSON, DIRECTOR
INTEGRATED CIRCUIT PROCESSING AND DESIGN
555 UNION BOULEVARD
ALLENTOWN, PA 18103
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-439-7401

N.C.E.S. CODES
10.000000
14.000000
S.I.C. CODES
48
KEYWORDS
TELECOMMUNICATIONS
MICROELECTRONICS
COMPUTER TECHNOLOGY
PERSONNEL
500 RESEARCH PROFESSIONALS
150 SUPPORT PROFESSIONALS
150 TECHNICAL STAFF
35 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

87
BELL TELEPHONE LABORATORIES
M.J. THOMPSON, DIRECTOR
INTEGRATED CIRCUIT PROCESSING DIVISION
555 UNION BOULEVARD
ALLENTOWN, PA 18103
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-439-6841

N.C.E.S. CODES
14.100000
S.I.C. CODES
367
KEYWORDS
ELECTRONIC COMPONENTS
INTEGRATED CIRCUIT
COMMUNICATION SYSTEMS
PERSONNEL
670 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
600 TECHNICAL STAFF
450 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $70000000.00

FACILITIES: DESIGN FACILITIES AND MAJOR MANUFACTURING FACILITIES AT WESTERN ELECTRIC

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARIES AT ALLENTOWN AND READING LOCATIONS

COOPERATIVE ARRANGEMENTS: LEHIGH UNIVERSITY

OUTPUTS: N/A

88
BERNHARDT, CERVELLI AND ASSOCIATES, INC.
ANDREW CERVELLI, DIRECTOR
BERNHARDT, CERVELLI AND ASSOCIATES, INC.
55 PEBBLE WOODS DRIVE
DOYLESTOWN, PA 18901
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-348-3883

N.C.E.S. CODES
6.050000
6.100000
S.I.C. CODES
621
651
672
KEYWORDS
INVESTMENT PROGRAMS
LIMITED PARTNERSHIPS
CAPITAL GAINS
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $25000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

89
BETHLEHEM STEEL CORPORATION
JOHN E. WERNER, DIRECTOR
HOMER RESEARCH LABORATORIES
SOUTH MOUNTAIN DRIVE
BETHLEHEM, PA 18016
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-694-6528

N.C.E.S. CODES
  14.200000
  14.070000
  14.180000
S.I.C. CODES
  331
  382
  101
KEYWORDS
  STEEL
  ORE
  CONTROLS
PERSONNEL
  213 RESEARCH PROFESSIONALS
  24 SUPPORT PROFESSIONALS
  168 TECHNICAL STAFF
  117 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $35000000.00

FACILITIES: STEEL MELTING, ROLLING AND COATING FACILITIES

BUILDINGS: EIGHT BUILDINGS

COLLECTIONS: MAINTAINS LIBRARY OF 15000 TECHNICAL VOLUMES AND SUBSCRIPTIONS TO 500 JOURNALS, WITH COMPUTERIZED LITERATURE SEARCH FACILITIES

COOPERATIVE ARRANGEMENTS: EQUIPMENT ARRANGEMENTS WITH LEHIGH UNIVERSITY, AND AIR PRODUCTS AND CHEMICALS; MIT PRACTICE SCHOOL; COOPERATIVE STUDENTS ARRANGEMENTS WITH VARIOUS UNIVERSITITES

OUTPUTS: N/A

90
BETZ CONVERSE MURDOCH INC.
D.N. BIBBO, DIRECTOR
BETZ CONVERSE MURDOCH INC.
ONE PLYMOUTH MEETING MALL
PLYMOUTH MEETING, PA 19462
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-825-3800

N.C.E.S. CODES
  14.140000
  14.080000
  30.030000
S.I.C. CODES
  891
KEYWORDS
  CONSULTING ENGINEERING
  ENVIRONMENTAL CONTROL
PERSONNEL
  60 RESEARCH PROFESSIONALS
  70 SUPPORT PROFESSIONALS
  20 TECHNICAL STAFF
  25 SUPPORT STAFF

FACILITIES: EPA CERTIFIED LABORATORY FOR ANALYSES OF SURFACE WATER AND GROUNDWATER, INDUSTRIAL PROCESS WATER, SOLID AND HAZARDOUS WASTE, AIR EMISSIONS, BIOLOGICAL TOXICITY, MINE DRAINAGE AND LEACHATE; HP3000 SERIES 3 HEWLETT PACKARD COMPUTER PLUS PERIPHERALS

BUILDINGS: N/A

COLLECTIONS: LIBRARY OF 10000 CATALOGUED VOLUMES INCLUDING MONOGRAPHS, BOOKS, DOCUMENTS AND PROJECT ENGINEERING AND PLANNING REPORTS FROM VARIOUS LEVELS OF THE GOVERNMENT

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

91
BI-MODAL CORPORATION
ALAN R. CRIPE, DIRECTOR
ENGINEERING DEPARTMENT
304 WILLOWBROOK LANE
WEST CHESTER, PA 19380
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-692-5990

N.C.E.S. CODES
  14.190000
  14.270000
  14.990000
S.I.C. CODES
  371
  374
  379
KEYWORDS
  ROAD RAILER INTERMODAL VEHICLES
  FREIGHT TRANSPORTATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  4 SUPPORT STAFF

CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

92
BIO-TECH MARKETING RESEARCH, INC.
N/A, DIRECTOR
BIO-TECH MARKETING RESEARCH, INC.
311 NORTH BROAD STREET
LANSDALE, PA 19446
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-362-5000

N.C.E.S. CODES
8.990000
S.I.C. CODES
899
KEYWORDS
HEALTH CARE INDUSTRY MARKET RESEARCH
PROMOTIONAL CAMPAIGN EVALUATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: PART OF THE VANDERVEER GROUP

OUTPUTS: N/A

93
BIOCHEM TECHNOLOGY, INC.
DR. DANE W. ZABRISKIE, DIRECTOR
BIOCHEMICAL ENGINEERING & FERMENTATION TECHNOLOGY
66 GREAT VALLEY PARKWAY
MALVERN, PA 19355
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-647-8610

N.C.E.S. CODES
14.050000
14.070000
3.010100
S.I.C. CODES
283
286
287
KEYWORDS
FERMENTATION
BIOCHEMICAL ENGINEERING
INSTRUMENTATION
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: HIGHLY INSTRUMENTED COMPUTER COUPLED 400-1 FERMENTATION SYSTEM, CONTINUOUS 600 LB/HR JET COOKER/ENZYME REACTOR, 10 LAB SCALE FERMENTORS, MASS SPECTROMETER

BUILDINGS: N/A

COLLECTIONS: BIOTECHNOLOGY LIBRARY

COOPERATIVE ARRANGEMENTS: NATIONAL SCIENCE FOUNDATION GRANT

OUTPUTS: N/A

94
BIODECISION LABORATORIES, INC.
DR. JOY R. MIKSIC, DIRECTOR
RESEARCH AND DEVELOPMENT
3126 FORBES AVENUE
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-682-2022

N.C.E.S. CODES
18.140000
26.060200
26.061200
S.I.C. CODES
99
KEYWORDS
BIOCHEMICAL ASSAYS
DRUG ANALYSIS
BIOAVAILABILITY TESTING
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $75000.00

FACILITIES: FULL SERVICE LABORATORY; DEDICATED GAS CHROMATOGRAPH AND HIGH PRESSURE LIQUID CHROMATOGRAPH WITH AUTOMATED INJECTION AND INTEGRATION

BUILDINGS: N/A

COLLECTIONS: TWO SERIES OF MONTHLY SCIENTIFIC JOURNALS PLUS APPROXIMATELY 25 BOOKS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

95
BIRDSBORO CORPORATION
J.F. TURNER, DIRECTOR
PROPOSAL DEPARTMENT
1941 FURNACE STREET
BIRDSBORO, PA 19508
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-582-2011

N.C.E.S. CODES
  14.190000
S.I.C. CODES
  354
KEYWORDS
  ENGINEERING
  SPECIAL REQUIREMENTS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  22 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

96
BITUMINOUS COAL RESEARCH, INC.
DR. MICHAEL G. ZABETAKIS, DIRECTOR
BITUMINOUS COAL RESEARCH, INC.
350 HOCHBERG ROAD, P.O. BOX 278
MONROEVILLE, PA 15146
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-327-1600

N.C.E.S. CODES
  30.030100
  14.210000
S.I.C. CODES
  12
  891
KEYWORDS
  PUBLICATIONS
  PATENTS
  COAL
PERSONNEL
  20 RESEARCH PROFESSIONALS
  8 SUPPORT PROFESSIONALS
  14 TECHNICAL STAFF
  12 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2100000.00

FACILITIES: PETROGRAPHY, ANALYTICAL CHEMISTRY, COAL CLEANING, COAL HANDLING, AND COAL COMBUSTION FACILITIES

BUILDINGS: MAIN LABORATORY DUST TUNNEL, HIGH BAY TEST AREA

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

97
BLOOM ENGINEERING COMPANY, INC.
EDWARD J. CANTON, DIRECTOR
BLOOM ENGINEERING COMPANY, INC.
HORNING AND CURRY ROADS
PITTSBURGH, PA 15236
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-892-2121

N.C.E.S. CODES
  14.060000
  14.070000
  14.190000
S.I.C. CODES
  344
  349
KEYWORDS
  BURNERS
  COMBUSTION CONTROL
  ENERGY CONSERVATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF

FACILITIES: COMBUSTION LABORATORY WITH ASSOCIATED AIR SUPPLY, FUEL SUPPLY, UTILITIES, TEST FCES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

98
BLUE CROSS OF WESTERN PENNSYLVANIA
DR. WANDA W. YOUNG, DIRECTOR
HEALTH CARE RESEARCH DEPARTMENT
ONE SMITHFIELD STREET
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-255-7825

N.C.E.S. CODES
  18.060000
  18.070200
  18.070100
S.I.C. CODES
  801
  806
  809
KEYWORDS
  HEALTH CARE COST RESEARCH
  CASE MIX METHODOLOGY
PERSONNEL
  4 RESEARCH PROFESSIONALS
  7 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $660000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

99
BOEING VERTOL COMPANY
C. WEILAND, DIRECTOR
MFG. TECHNOLOGY (OPERATIONS DEPARTMENT)
P.O. BOX 16858
PHILADELPHIA, PA 19142
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-522-3620

N.C.E.S. CODES
  14.020000
  14.180000
S.I.C. CODES
  372
  374
KEYWORDS
  MANUFACTURING PROCESSES
  NEW PRODUCT TECHNOLOGY
  AIRFRAMES PRODUCIBILITY
PERSONNEL
  5 RESEARCH PROFESSIONALS
  24 SUPPORT PROFESSIONALS
  9 TECHNICAL STAFF
  3 SUPPORT STAFF

FACILITIES: WIND TUNNEL; FLIGHT SIMULATOR; FLIGHT TEST FACILITY; COMPOSITE PROCESSING EQUIPMENT; ROBOTS; N/C MACHINE CENTERS AND CAD/CAM

BUILDINGS: MANUFACTURING AND ASSEMBLY FACILITY; COMPOSITES MANUFACTURING FACILITY AND LABORATORY

COLLECTIONS: MAINTAINS A TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH LOCAL UNIVERSITIES

OUTPUTS: N/A

100
BOEING VERTOL COMPANY
W.W. WALLS, DIRECTOR
TECHNOLOGY AND PRODUCT ASSURANCE (ENGINEERING DEPARTMENT)
P.O. BOX 16858
PHILADELPHIA, PA 19142
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-522-2252

N.C.E.S. CODES
  14.020000
  27.030000
  40.010000
S.I.C. CODES
  372
  411
KEYWORDS
  HELICOPTERS
  ROTOCRAFT DEVELOPMENT
  MANUFACTURE
PERSONNEL
  172 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  24 TECHNICAL STAFF
  9 SUPPORT STAFF

FACILITIES: WIND TUNNEL; FLIGHT SIMULATOR; FLIGHT TEST FACILITY; COMPOSITE PROCESSING EQUIPMENT; ROBOTS; N/C MACHINE CENTERS AND CAD/CAM

BUILDINGS: MANUFACTURING AND ASSEMBLY FACILITY; COMPOSITES MANUFACTURING FACILITY AND LABORATORY

COLLECTIONS: MAINTAINS A TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH LOCAL UNIVERSITIES

OUTPUTS: N/A

101
BOHEM MANUFACTURING COMPANY
MICHAEL MCALLISTER, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
P.O. BOX 388
CONSHOHOCKEN, PA 19428
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-825-0130

N.C.E.S. CODES
4.990000
S.I.C. CODES
344
KEYWORDS
SKYLIGHTS
EXTRUSIONS
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $25000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

102
BOILER ERECTION AND REPAIR CO. INC.
GEORGE H. CAREY, DIRECTOR
BOILER ERECTION AND REPAIR CO. INC.
P.O. BOX 299
AMBLER, PA 19002
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-646-9500

N.C.E.S. CODES
3.010000
14.190000
30.030000
S.I.C. CODES
343
899
349
KEYWORDS
MUNICIPLE SOLID WASTE SEPARATION
STEAM GENERATION
COMBUSTION CHAMBER
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

103
BOONE, YOUNG & ASSOCIATES, INC.
MR. DAVID O. BOONE, DIRECTOR
BOONE, YOUNG & ASSOCIATES, INC.
1315 WALNUT STREET
PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-732-8635

N.C.E.S. CODES
0
S.I.C. CODES
739
KEYWORDS
POLICY RESEARCH AND ANALYSIS
TECHNICAL ASSISTANCE AND TRAINING
PROGRAM DEVELOPMENT AND EVALUATION
PERSONNEL
12 RESEARCH PROFESSIONALS
15 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

104
BORDEN INC.
IAN D.H. CUTHILL, DIRECTOR
BORDEN RESEARCH CENTRE
600 NORTH FRANKLIN STREET
SYRACUSE, NY 13204
COUNTY
DEVELOPMENT REGION
PHONE: 315-474-8526

N.C.E.S. CODES
2.030600
2.030500
2.030400
S.I.C. CODES
208
202

206
KEYWORDS
  FABRICATED FOOD PRODUCTS
  PROCESS IMPROVEMENT
  PRODUCT IMPROVEMENT
PERSONNEL
  22 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  12 TECHNICAL STAFF
  7 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2700000.00

FACILITIES: PILOT SCALE FOOD PROCESSING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A TYPICAL FOOD RESEARCH LIBRARY

COOPERATIVE ARRANGEMENTS: COOPERATIVE ARRANGEMENTS WITH OTHER COMPANY BRANCH LABS

OUTPUTS: N/A

105
BREEDERS EQUIPMENT CO.
N/A, DIRECTOR
LIFE HISTORY OF CTENOCEPHALIDES
P.O. BOX 177
FLOURTOWN, PA 19031
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-233-0799

N.C.E.S. CODES
  26.060000
  26.070000
  26.070200
S.I.C. CODES
  18
  24
KEYWORDS
  FLEA CONTROL
  FLEA GROWTH AND DEVELOPMENT
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: VETERINARY OFFICE AND EQUIPMENT; ACCESS TO U.S.D.A. LABORATORY

BUILDINGS: KENNEL FACILITIES

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH UNIVERSITY OF PENNSYLVANIA SCHOOL OF VETERINARY MEDICINE DEPARTMENT OF PATHOBIOLOGY

OUTPUTS: N/A

106
BROCKWAY, INC. (NY)
DR. P.J. VERGANO, DIRECTOR
CENTRAL LABORATORY
BROCKWAY, PA 15824
JEFFERSON COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 814-261-5276

N.C.E.S. CODES
  14.060000
  2.030500
  40.070100
S.I.C. CODES
  322
KEYWORDS
  PRODUCTION SUPPORT
  NEW PROCESSES
  NEW PRODUCTS
PERSONNEL
  34 RESEARCH PROFESSIONALS
  8 SUPPORT PROFESSIONALS
  20 TECHNICAL STAFF
  5 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2000000.00

FACILITIES: X-RAY SPECTROMETER, MASS SPECTROMETER, ATOMIC ABSORPTION SPECTROMETER, MINICOMPUTERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

107
BROWN BOUERI ELECTRIC, INC.
I.T. PYLKKANEN, DIRECTOR
ELECTRICAL TESTING LABORATORY
4379 COUNTY LINE ROAD
CHALFONT, PA 18914
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-822-4222

N.C.E.S. CODES
  14.100000
S.I.C. CODES
  361
KEYWORDS
  SHORT CIRCUIT
  CIRCUIT-BREAKER
  ELECTRICAL

PERSONNEL
  10 RESEARCH PROFESSIONALS
  16 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2000000.00

FACILITIES: 1000MVA, 2250 MVA SHORT CIRCUIT TESTING; DIELECTRIC TESTING, THERMAL TESTING, AND SEISMIC TESTING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

108
BRW INDUSTRIES, INC.
HERB FUHR, DIRECTOR
BRW INDUSTRIES, INC.
HIGH & KLINE STREET
BANGOR, PA 18013
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: N/A

N.C.E.S. CODES
  0
S.I.C. CODES
  225
KEYWORDS
  FABRIC DEVELOPMENT
  DYE
  WARP KNIT FABRICS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

109
BRYN MAWR COLLEGE
DR. PETER BECKMANN, DIRECTOR
MOLECULAR SCIENCE
DEPARTMENT OF PHYSICS
BRYN MAWR, PA 19010
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-5361

N.C.E.S. CODES
  40.080200
  40.080800
  40.089900
S.I.C. CODES
  892
KEYWORDS
  MOLECULES
  MAGNETIC RESONANCE
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000.00
  SOURCES: BRYN MAWR COLLEGE
PAST FUNDING
  AVERAGE AMOUNT = $2000.00
  SOURCES: BRYN MAWR COLLEGE

FACILITIES: THREE WELL EQUIPPED LABS, PULSED NMR SPECTROMETER, CHART RECORDER, SCOPES, BOX CAR INTEGRATION

BUILDINGS: N/A

COLLECTIONS: MATH AND PHYSICS LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH PAPERS

110
BRYN MAWR COLLEGE
DR. MARIA LUISA CRAWFORD, DIRECTOR
PETROLOGY PROGRAM
GEOLOGY DEPARTMENT
BRYN MAWR, PA 19010
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-5111

N.C.E.S. CODES
  40.060100
S.I.C. CODES
  892
KEYWORDS
  GEOLOGY
  METAMORPHIC ROCK
  IGNEOUS ROCK
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $43863.00

SOURCES: NATIONAL SCIENCE FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $41861.00
SOURCES: NATIONAL SCIENCE FOUNDATION

FACILITIES: STANDARD PETROLOGICAL FACILITIES INCLUDING AA SPECTROPHOTOMETER, UV-VIS SPECTROPHOTOMETER, POWER AND SINGLE CRYSTAL FLUID INCLUSION ANALYSIS LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: USE OF ELECTRON PROBE MICROANALYZER AT PRINCETON UNIVERSITY

OUTPUTS: OVER 15 RESEARCH REPORTS AND PAPERS

111
BRYN MAWR COLLEGE
DR. NEAL B. ABRAHAM, DIRECTOR
QUANTUM OPTICS RESEARCH GROUP
PHYSICS DEPARTMENT
BRYN MAWR, PA 19010
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-5363

N.C.E.S. CODES
40.080700
S.I.C. CODES
892
KEYWORDS
LASERS
NOISE
INSTABILITIES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $99900.00
SOURCES: RESEARCH CORPORATION, NATIONAL SCIENCE FOUNDATION, SLOAN FOUNDATION

BUILDINGS: N/A

COLLECTIONS: MATH AND PHYSICS LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PROFESSIONAL PUBLICATIONS AVAILABLE ON REQUEST

112
BRYN MAWR COLLEGE
DR. LUCIAN B. PLATT, DIRECTOR
REGIONAL STRUCTURAL GEOLOGY
DEPARTMENT OF GEOLOGY
BRYN MAWR, PA 19010
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-5113

N.C.E.S. CODES
40.060100
S.I.C. CODES
892
KEYWORDS
THRUST FAULTS
CLEAVAGE
TECTONICS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $5000.00
PAST FUNDING
AVERAGE AMOUNT = $8000.00
SOURCES: U.S. GEOLOGY SURVEY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 15 RESEARCH REPORTS AND PAPERS

113
BRYN MAWR COLLEGE
DR. JUDITH PORTER, DIRECTOR
SOCIAL AND PSYCHOLOGICAL EFFECTS OF VITILIGO
DEPARTMENT OF SOCIOLOGY
BRYN MAWR, PA 19010
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-642-7597

N.C.E.S. CODES
42.000000
45.110000
S.I.C. CODES
99
KEYWORDS
VITILIGO
DISFIGURING
SKIN DISEASE
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15500.00
SOURCES: ×

PAST FUNDING
  AVERAGE AMOUNT = $17000.00
  SOURCES: NATIONAL INSTITUTE OF HEALTH

FACILITIES: COMPUTER FACILITIES AT BRYN MAWR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: CONSORTIUM WITH CEDAR CREST COLLEGE; YALE UNIVERSITY MEDICAL SCHOOL; HOWARD UNIVERSITY MEDICAL SCHOOL; UNIVERSITY OF MASSACHUSETTS; MASSACHUSETTS EYE AND EAR CLINIC

OUTPUTS: ARTICLES IN PROFESSIONAL JOURNALS

114
BUCKNELL UNIVERSITY
DR. EUGENE M. LUKS, DIRECTOR
ALGORYTHM FOR GRAPH AND ALGEBRAIE STRUCTURE
DEPARTMENT OF MATHEMATICS
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1343

N.C.E.S. CODES
  11.020000
  11.900000
  27.030000
S.I.C. CODES
  737
KEYWORDS
  ALGORITHM DESIGN
  COMPUTER PROGRAMS
  APPLIED ALGEBRA
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $12600.00
  SOURCES: NATIONAL SCIENCE FOUNDATION
PAST FUNDING
  AVERAGE AMOUNT = $12800.00
  SOURCES: NATIONAL SCIENCE FOUNDATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: TECHNICAL AND RESEARCH PAPERS

115
BUCKNELL UNIVERSITY
DR. DOUGLAS CANDLAND, DIRECTOR
ANIMAL LEARNING AND COGNITION
DEPARTMENT OF PSYCHOLOGY
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1431

N.C.E.S. CODES
  2.020100
  2.020300
  3.020200
S.I.C. CODES
  99
KEYWORDS
  ANIMAL HEALTH
  ANIMAL CONSERVATION
  ANIMAL SCIENCE
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $20000.00
  SOURCES: NATIONAL INSTITUTE OF HEALTH; NATIONAL SCIENCE FOUNDATION
PAST FUNDING
  AVERAGE AMOUNT = $20000.00
  SOURCES: NATIONAL INSTITUTE OF HEALTH; NATIONAL SCIENCE FOUNDATION

FACILITIES: FIELD CAGES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

116
BUCKNELL UNIVERSITY
DR. ROGER TARPY, DIRECTOR
ANIMAL LEARNING LAB
PSYCHOLOGY DEPARTMENT
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-3493

N.C.E.S. CODES
  42.030000
  42.080000
S.I.C. CODES
  99
KEYWORDS
  ANIMAL LEARNING

COGNITION
EXPERIMENTATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

117
BUCKNELL UNIVERSITY
DR. R.P. NICKELSEN, DIRECTOR
ATTRIBUTES OF PENETRATIVE STRAIN, CENTRAL APPALACIAN AND GEOGRAPHY
DEPARTMENT OF GEOLOGY
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1147

N.C.E.S. CODES
40.060000
40.060100
40.069900
S.I.C. CODES
131
KEYWORDS
MICROTHERMOMETRY
FRACTURE POROSITY
STRAIN
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $6500.00
SOURCES: AMERICAN CHEMICAL SOCIETY; PETROLEUM RESEARCH FUND
PAST FUNDING
AVERAGE AMOUNT = $6500.00
SOURCES: AMERICAN CHEMICAL SOCIETY; PETROLEUM RESEARCH FUND

FACILITIES: MICROTHERMETRY LAB, CHAIXMECA MICROTHERMETRY APPARATUS, NUCLIDE CATHODE LUMINESCENCE LUMINOCS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SCIENTIFIC PAPERS

118
BUCKNELL UNIVERSITY
DR. WILLIAM H. SCOUTEN, DIRECTOR
BIOCHEMISTRY LAB
DEPARTMENT OF CHEMISTRY
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-3258

N.C.E.S. CODES
26.020000
40.059900
14.050000
S.I.C. CODES
289
381
383
KEYWORDS
ENZYMOLOGY
IMMOBILIZED ENZYMES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $20800.00
SOURCES: RESEARCH CORPORATION; CORPORATE DONATIONS

FACILITIES: GC/MS SPECTROMETER, C/H FOURIER TRANSFORM NMR, ULTRACENTRIFUGE, LIQUID SCINTILLATION COUNTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: DANSYL AZIRIDINE-A FLUORESCENT THIOL PROBE, LIPOAMIDE POROUS GLASS-MERCURY CHELATE AGENT AND POTENTIAL MERCURY POISONING TREATMENT, AND NUMEROUS PUBLICATIONS

119
BUCKNELL UNIVERSITY
DR. HANS VEENING, DIRECTOR
CHEMICAL STRUCTURES OF UREMIC AND ARTHRITIC BIO-FLU
DEPARTMENT OF CHEMISTRY
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1130

N.C.E.S. CODES
40.050200
S.I.C. CODES
892
899
KEYWORDS
GAS CHROMATOGRAPHY
MASS SPECTROMETRY
ARTIFICIAL KIDNEY DIALYSIS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $13000.00
SOURCES: PETROLEUM RESEARCH FUND
PAST FUNDING
AVERAGE AMOUNT = $108000.00
SOURCES: PETROLEUM RESEARCH FUND; NATIONAL INSTITUTE OF HEALTH

FACILITIES: WATER LIQUID CHROMATOGRAPH, SPECTRA-PHYSICS LIQUID CHROMATOGRAPH, FINNIGAN 4021C GAS CHROMATOGRAPH-MASS SPECTROMETER-DATA SYSTEM,

BUILDINGS: GC/MS LABORATORY FOR ANALYZING ORGANIC CPDS

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: GEISINGER MEDICAL CENTER

OUTPUTS: OVER 40 RESEARCH REPORTS

120
BUCKNELL UNIVERSITY
DR. HAROLD W. HEINE, DIRECTOR
CHEMISTRY OF NITRONES
DEPARTMENT OF CHEMISTRY
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-3258

N.C.E.S. CODES
40.050400
40.050500
40.059900
S.I.C. CODES
284
286
287
KEYWORDS
PYRIMIDINES
DIAZIRIDINES
AZIRIDINES AND NITRONE
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000.00
SOURCES: AMERICAN CHEMICAL SOCIETY; COMILLE AND HENRY DREYFUS FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $11000.00
SOURCES: AMERICAN CHEMICAL SOCIETY; COMILLE AND HENRY DREYFUS FOUNDATION

FACILITIES: FINNEN MASS SPECTROMETER AND JOEL 13C NMR SPECTROMETER

BUILDINGS: N/A

COLLECTIONS: MAJOR DOMESTIC AND INTERNATIONAL JOURNALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS: PATENT WITH RESEARCH CORPORATION

121
BUCKNELL UNIVERSITY
DR. JAI B. KIM, DIRECTOR
CIVIL ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1112

N.C.E.S. CODES
14.080000
14.140000
14.110000
S.I.C. CODES
152
161
401
KEYWORDS
BRIDGES
HAZARDOUS WASTE
RAILROAD FOUNDATIONS
PERSONNEL
7 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $147000.00
SOURCES: U.S. GOVERNMENT; INDUSTRY SOURCES; BUCKNELL UNIVERSITY

FACILITIES: ENVIRONMENTAL LAB, STRUCTURES LAB, METAL TESTING LABS, SOLIDS LAB, HYDRAULICS LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

122
BUCKNELL UNIVERSITY
DR. DANIEL C. HYDE, DIRECTOR
COMPUTER SCIENCE DEPARTMENT
121 DANA ENGINEERING
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1394

N.C.E.S. CODES
11.010000
S.I.C. CODES
892
KEYWORDS
COMPUTER SCIENCE
SOFTWARE ENGINEERING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

123
BUCKNELL UNIVERSITY
DR. MAURICE F. ABURDENE, DIRECTOR
COMPUTER SIMULATION OF DYNAMIC SYSTEMS
DEPARTMENT OF ELECTRICAL ENGINEERING
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1449

N.C.E.S. CODES
14.100000
14.270000
S.I.C. CODES
99
KEYWORDS
MODELING
SIMULATION
COMPUTER NETWORKS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 15 RESEARCH ARTICLES

124
BUCKNELL UNIVERSITY
DR. DAVID FINKEL, DIRECTOR
COMPUTER SYSTEM ANALYSIS
DEPARTMENT OF MATHEMATICS
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1416

N.C.E.S. CODES
11.050000
27.030000
S.I.C. CODES
737
KEYWORDS
COMPUTER SYSTEM MODELING
PERFORMANCE EVALUATION
SIMULATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: TECHNICAL AND RESEARCH REPORTS, RECOMMENDATIONS CONCERNING COMPUTER SYSTEM CONFIGURATION

125
BUCKNELL UNIVERSITY
DR. DONALD D. PEARSON, DIRECTOR
IMMUNOBIOLOGY RESEARCH LABORATORY
DEPARTMENT OF BIOLOGY
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1135

N.C.E.S. CODES
18.100900
18.100200

18.020200
S.I.C. CODES
99
KEYWORDS
AUTOIMMUNITY
HYBRIDOMA
MONOCLONA ANTIBODY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3300.00
PAST FUNDING
AVERAGE AMOUNT = $3500.00

FACILITIES: TISSUE CULTURE FACILITIES, ULTRACENTRIFUGE, ELECTROPHORESIS UNITS, ULTRAFREEZE FACILITY

BUILDINGS: N/A

COLLECTIONS: UTILIZES THE MEDICAL LIBRARY AT GEISINGER MEDICAL CENTER

COOPERATIVE ARRANGEMENTS: GEISINGER MEDICAL CENTER

OUTPUTS: N/A

126
BUCKNELL UNIVERSITY
DR. RICHARD G. MCGINNIS, DIRECTOR
INTEGRATION OF INTERACTIVE GRAPHICS AND COMPUTER AIDED DESIGN INTO UNDERGRADUATE ENGINEERING CURRICULA
COLLEGE OF ENGINEERING
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1127

N.C.E.S. CODES
14.080000
14.070000
14.190000
S.I.C. CODES
892
KEYWORDS
COMPUTER DESIGN
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $85000.00
PAST FUNDING
AVERAGE AMOUNT = $5000.00

FACILITIES: COMPUTER GRAPHICS LAB, MICRO-COMPUTER LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: COMPUTER AIDED DESIGN SOFTWARE PACKAGES

127
BUCKNELL UNIVERSITY
DR. MATTHEW SILBERMAN, DIRECTOR
LAW AS PROCESS: THE MOBILIZATION OF LEGAL RESOURCES BY CLAIMANTS
DEPARTMENT OF SOCIOLOGY
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-3586

N.C.E.S. CODES
22.000000
22.010000
44.050000
S.I.C. CODES
81
KEYWORDS
CIVIL JUSTICE
EQUAL ACCESS TO LAW
LAWYERS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2300.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH PAPERS

128
BUCKNELL UNIVERSITY
DR. TIMOTHY W. SWEENEY, DIRECTOR
MARKET POSITIONING FOR RETAILERS
DEPARTMENT OF MANAGEMENT
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-3386

N.C.E.S. CODES
6.010000
S.I.C. CODES
73
739
KEYWORDS
POSITIONING STRATEGIES
RETAILERS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: COMPUTER

BUILDINGS: N/A

COLLECTIONS: PERIODICALS AND PROPRIETARY REPORTS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SPECIAL SERVICES INCLUDE STRATEGY DEVELOPMENT FOR RETAILERS BASED ON RESEARCH DATA

129
BUCKNELL UNIVERSITY
DR. OWEN R. FLOODY, DIRECTOR
NEUROENDOCRINE CONTROL OF REPRODUCTIVE BEHAVIOR
DEPARTMENT OF PSYCHOLOGY
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1432

N.C.E.S. CODES
26.060500
26.060800
42.110000
S.I.C. CODES
892
KEYWORDS
BRAIN MECHANISMS
HORMONES
MATING BEHAVIOR
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $32359.00
PAST FUNDING
AVERAGE AMOUNT = $40302.00
SOURCES: NATIONAL INSTITUTE OF MENTAL HEALTH

FACILITIES: ANIMAL COLONY FACILITIES; EQUIPMENT FOR BEHAVIORAL TESTING, SMALL ANIMAL SURGERY, HISTOLOGY, AND STATISTICAL DATA ANALYSIS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND ARTICLES

130
BUCKNELL UNIVERSITY
DR. T.P. RICH, DIRECTOR
SMALL BUSINESS LEARNING CENTER FOR COMPUTER AIDED DESIGNING AND DRAFTING
MECHANICAL ENGINEERING
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-3896

N.C.E.S. CODES
14.110000
14.180000
14.190000
S.I.C. CODES
162
307
344
KEYWORDS
CAD/CAM
STRUCTURES
FATIGUE
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $65000.00
SOURCES: SMALL BUSINESS ADMINISTRATION

FACILITIES: SPECIAL PURPOSE COMPUTER PROGRAMS FOR STRUCTURAL LIFE PREDICTIONS, COMPUTER AIDED DESIGN AND DRAFTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: COOPERATES WITH THE BUCKNELL SMALL BUSINESS DEVELOPMENT CO.

OUTPUTS: OVER 15 PUBLISHED RESEARCH PAPERS AND 3 BOOKS

131
BUCKNELL UNIVERSITY
DR. H.W. PINNICK, DIRECTOR
SYNTHESIS OF ANATOXIN A
DEPARTMENT OF CHEMISTRY
LEWISBURG, PA 17837
UNION COUNTY

SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-3395

N.C.E.S. CODES
40.050400
S.I.C. CODES
283
287
289
KEYWORDS
NEUROMUSCULAR TOXIN
MUSCLE RELAXANT
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000.00
SOURCES: RESEARCH CORPORATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS

132
BUCKNELL UNIVERSITY
DR. WARREN G. ABRAHAMSON, DIRECTOR
THE GOLDENROD-STEM GALL MAKER-PARASITOID INTERACTION
DEPARTMENT OF BIOLOGY
LEWISBURG, PA 17837
UNION COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-524-1155

N.C.E.S. CODES
26.060300
26.030400
26.070200
S.I.C. CODES
99
KEYWORDS
ECOLOGY
EVOLUTION
HERBIVORES
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $41000.00
SOURCES: NATIONAL SCIENCE FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $41000.00
SOURCES: NATIONAL SCIENCE FOUNDATION

FACILITIES: BOMB CALORIMETRY, MICRO-ENVIRONMENTAL EQUIPMENT, HERBARIUM, GROWTH CHAMBER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ENVIROMENTAL SCIENCES DEPARTMENT AT BUCKNELL

OUTPUTS: OVER 30 RESEARCH REPORTS

133
BUCKS COUNTY CONSERVANCY
KATHRYN AVERBACH, DIRECTOR
HISTORIC PROGRAMS, LAND CONSERVATION
11 NORTH MAIN STREET
DOYLESTOWN, PA 18901
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-345-7020

N.C.E.S. CODES
3.020200
4.990000
S.I.C. CODES
869
899
KEYWORDS
LAND CONSERVATION
HISTORIC PRESERVATION
PERSONNEL
6 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $40000.00

FACILITIES: ENVIRONMENTAL EDUCATION CENTER

BUILDINGS: THREE HISTORIC BUILDINGS

COLLECTIONS: MAINTAINS A COLLECTION OF HISTORIC SITES SURVEYS; BUCKS COUNTY REGISTER OF HISTORIC PLACES DATA FILES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

134
BUREAU OF PLANT INDUSTRY
LYLE FORER, DIRECTOR
BUREAU OF PLANT INDUSTRY
2301 NORTH CAMERON STREET
HARRISBURG, PA 17102
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-787-4843

N.C.E.S. CODES
2.040100
2.040600
2.040800
S.I.C. CODES
1
911
KEYWORDS
PLANT PEST INDENTIFICATION
WEEDS, INSECTS
PLANT DISEASES
PERSONNEL
8 RESEARCH PROFESSIONALS
7 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $350000.00

FACILITIES: ENTOMOLOGY, PLANT PATHOLOGY AND SEED LABS

BUILDINGS: GREENHOUSES

COLLECTIONS: INSECT COLLECTION, HERBARIUM

COOPERATIVE ARRANGEMENTS: WITH HERSHEY MEDICAL CENTER

OUTPUTS: N/A

135
BURKE MARKETING RESEARCH
MR. ROBERT J. MCDONALD, DIRECTOR
PHILADELPHIA CLIENT SERVICE OFFICE
15 ECHELON PROFESSIONAL CENTER
VOORHEES, NJ 08043
COUNTY
DEVELOPMENT REGION
PHONE: 609-772-1394

N.C.E.S. CODES
6.140100
6.140200
6.149900
S.I.C. CODES
99
KEYWORDS
MARKETING RESEARCH
AD HOC, CUSTOM DESIGNED
PRIMARY DATA COLLECTION
PERSONNEL
3 RESEARCH PROFESSIONALS
35 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

136
BURRELL CONSTRUCTION AND SUPPLY CO.
RAYMOND S. SMETANA, DIRECTOR
RESEARCH AND DEVELOPMENT
#1 FIFTH STREET
NEW KENSINGTON, PA 15068
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-362-4000

N.C.E.S. CODES
14.210000
14.080000
S.I.C. CODES
12
161
327
KEYWORDS
COAL MINE ROOF SUPPORT
HIGHWAY PAVING
CONSTRUCTION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

FACILITIES: SEVERAL MATERIALS LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

137
BURROUGHS CORPORATION
L.W. (ROY) BEERS, DIRECTOR
CORPORATE ENGINEERING
BURROUGHS PLACE
DETROIT, MI 48232
COUNTY
DEVELOPMENT REGION
PHONE: 313-972-7332

N.C.E.S. CODES
11.010000
14.090000
S.I.C. CODES
367

KEYWORDS
DATA PROCESSING
COMPUTERS
INFORMATION MANAGEMENT
PERSONNEL
500 RESEARCH PROFESSIONALS
4000 SUPPORT PROFESSIONALS
700 TECHNICAL STAFF
300 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH DUKE UNIVERSITY, CAL. TECH., UNIVERSITY OF UTAH, AND WAYNE STATE UNIVERSITY

OUTPUTS: N/A

138
BURT HILL KOSAR RITTELMANN ASSOCIATES
P. RICHARD RITTELMANN, DIRECTOR
RESEARCH & SOLAR APPLICATIONS DIVISION
400 MORGAN CENTER
BUTLER, PA 16001
BUTLER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-285-4761

N.C.E.S. CODES
4.020000
14.040000
14.190000
S.I.C. CODES
891
KEYWORDS
ENERGY
ARCHITECTURAL
SOLAR
PERSONNEL
8 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
5 SUPPORT STAFF

FACILITIES: COMPUTER AND INSTRUMENTATION FOR ANALYSIS AND MONITORING

BUILDINGS: N/A

COLLECTIONS: ENERGY AND ENGINEERING LIBRARY, ARCHITECTURE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

139
BUTLER COUNTY MUSHROOM FARM, INC.
JOHN B. YODER, DIRECTOR
RESEARCH DEPARTMENT
N/A
WORTHINGTON, PA 16262
ARMSTRONG COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-297-3402

N.C.E.S. CODES
1.030400
3.050200
S.I.C. CODES
16
85
KEYWORDS
MUSHROOM PRODUCTION IMPROVEMENT
MYCELIUM PRODUCTION
MUSHROOM QUALITY
PERSONNEL
4 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $470000.00

FACILITIES: THREE SMALL LABORATORY ROOMS AND TWO LARGE STORAGE AND UTILITY AREAS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A RELATIVELY SMALL COLLECTION OF PERIODICALS

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH VARIOUS UNIVERSITIES AND THE U.S.D.A.

OUTPUTS: N/A

140
C. LEVER CO., INC.
DR. VERNE C. BIDLACK, DIRECTOR
RESEARCH LABORATORY
736 DUNKS FERRY ROAD
BENSALEM, PA 19020
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-634-8640

N.C.E.S. CODES
40.050200
40.050400
40.059900
S.I.C. CODES
289
KEYWORDS
NEW PROCESSES
DYE DEVELOPMENT

PERSONNEL
  3 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $70000.00

FACILITIES: PAPER AND DYE TESTING LABORATORY

BUILDINGS: N/A

COLLECTIONS: PAPER TECHNOLOGY AND DYE TECHNOLOGY LIBRARY

COOPERATIVE ARRANGEMENTS: FRANKLIN INSTITUTE OF PHILADELPHIA

OUTPUTS: N/A

141
C-COR ELECTRONICS, INC.
MR. JOSEPH P. PRESCHUTTI, DIRECTOR
PRODUCT DEVELOPMENT GROUP
60 DECIBEL ROAD
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-2461

N.C.E.S. CODES
  14.100000
  14.090000
  6.010000
S.I.C. CODES
  366
KEYWORDS
  CABLE TELEVISION
  RF, BROADBAND
  ADDRESSABLE
PERSONNEL
  15 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  20 TECHNICAL STAFF
  5 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1200000.00

FACILITIES: ENVIRONMENTAL CHAMBERS, NETWORK AND SPECTRUM ANALYZERS, COMPUTERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

142
CABOT CORPORATION
FRANCOIS R. MOLLARD, DIRECTOR
READING R & D
P.O. BOX 1296
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-921-5000

N.C.E.S. CODES
  14.200000
S.I.C. CODES
  335
  336
  333
KEYWORDS
  METALLURGICAL RESEARCH
  ALLOYING
  PATENT DEVELOPMENT
PERSONNEL
  13 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  18 TECHNICAL STAFF
  5 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

143
CALGON CORPORATION - SUBSIDIARY OF MERK AND
COMPANY, INC.
DR. A.F. KERST, DIRECTOR
CALGON RESEARCH AND DEVELOPMENT DIVISION
P.O. BOX 1346
PITTSBURGH, PA 15230
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-777-8458

N.C.E.S. CODES
  26.050000
  14.070000
  40.050400
S.I.C. CODES
  281
  286
  284
KEYWORDS
  WATER PURIFICATION
  CORROSION CONTROL
  FUEL ADDITIVES
PERSONNEL
  145 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  23 TECHNICAL STAFF

18 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $13500000.00

FACILITIES: ELECTRON MICROSCOPE; GC/MS; PILOT COOLING TOWER; PILOT PLANTS TO MANUFACTURE SMALL QUANTITIES OF ORGANIC, INORGANIC OR ACTIVATED CARBON PRODUCTS; PILOT BOILERS

BUILDINGS: TWO BUILDINGS FOR RESEARCH AND DEVELOPMENT AT CALGON CENTER AND TWO OFF-SITE LOCATIONS

COLLECTIONS: SMALL, FAIRLY COMPLETE INFORMATION CENTER WITH DATA STORAGE AND RETRIEVAL CAPABILITIES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

144
CALSICAT DIVISION/MALLINCKRODT, INC.
MR. E.F. SANDERS, DIRECTOR
CALSICAT RESEARCH AND DEVELOPMENT
1707 GASKELL AVENUE
ERIE, PA 16503
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-455-0951

N.C.E.S. CODES
40.050300
40.050400
S.I.C. CODES
281
KEYWORDS
PETROCHEMICAL
INEDIBLE AND EDIBLE OIL
CATALYSTS
PERSONNEL
7 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
7 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

145
CANNON BOILER WORKS, INC.
JAMES C. MCMICHAEL, DIRECTOR
WASTE HEAT RECOVERY FOR SMALL BOILERS
P.O. BOX #1
NEW KENSINGTON, PA 15068
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-335-8541

N.C.E.S. CODES
40.079900
S.I.C. CODES
355
359
343
KEYWORDS
WASTE HEAT RECOVERY
FEED-WATER HEATER
FUEL SAVER
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $75000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

146
CAPITOL BLUE CROSS
MR. DARRYL SEALE, DIRECTOR
APPLIED RESEARCH UNIT
100 PINE STREET
HARRISBURG, PA 17101
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-255-6036

N.C.E.S. CODES
6.080000
S.I.C. CODES
632
KEYWORDS
COMPILATION
ANALYSIS
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100500.00

BUILDINGS: N/A

COLLECTIONS: CORPORATE LIBRARY OF HEALTH-RELATED PUBLICATIONS

64

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

147
CAPTAIN JACK ROSS & ASSOCIATES, INC.
CAPT. JACK ROSS, DIRECTOR
CAPTAIN JACK ROSS & ASSOCIATES, INC.
2239 HAYMAKER ROAD
MONROEVILLE, PA 15146
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-373-0684

N.C.E.S. CODES
14.080000
14.220000
S.I.C. CODES
373
444
891
KEYWORDS
DOCK AND WHARF DESIGN
MARINA DESIGN
CASUALTY ANALYSIS
PERSONNEL
1 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: SURVEY VESSEL

BUILDINGS: N/A

COLLECTIONS: REFERENCE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

148
CARLETON ENTERPRISES, INC.
N/A, DIRECTOR
CARLETON ENTERPRISES, INC.
46 CARLETON DRIVE
PITTSBURGH, PA 15243
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-279-2429

N.C.E.S. CODES
14.210000
S.I.C. CODES
331
KEYWORDS
CONSULTING ENGINEERING
IRON CONSULTING
STEEL CONSULTING
PERSONNEL
0 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

149
CARNEGIE-MELLON UNIVERSITY
A.N. HABERMANN, DIRECTOR
ARTIFICIAL INTELLIGENCE
COMPUTER SCIENCE DEPARTMENT
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2592

N.C.E.S. CODES
11.110100
42.420300
S.I.C. CODES
737
357
KEYWORDS
MAN AND MACHINE COMMUNICATION
IMAGE UNDERSTANDING
SPEECH RECOGNITION
PERSONNEL
12 RESEARCH PROFESSIONALS
18 SUPPORT PROFESSIONALS
27 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2473738.00
SOURCES: DARPA; U.S. AIR FORCE; SYSTEM DEVELOPMENT FOUNDATION; ONR; NSF
PAST FUNDING
AVERAGE AMOUNT = $2179972.00
SOURCES: DARPA; U.S. AIR FORCE; ONR; NSF

FACILITIES: SPEECH LAB, VISION LAB, ROBOTICS LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ZOG SYSTEM FOR USS CARL VINSON; INCREMENTAL 3-D MAP MOSAIC; ONE LEGGED HOPPING MACHINE; NUMEROUS TECHNICAL REPORTS

150
CARNEGIE-MELLON UNIVERSITY
PROFESSOR J.F. NAGLE, DIRECTOR
BIOLOGICAL PHYSICS RESEARCH
DEPARTMENT OF PHYSICS
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2764

N.C.E.S. CODES
26.020000
40.080800
S.I.C. CODES
99
KEYWORDS
STATISTICAL MECHANICS
BIOMEMBRANES
BIOENERGETICS
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $105000.00
SOURCES: DHEW; NSF
PAST FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: DHEW; NSF

FACILITIES: MACHINE SHOP, ELECTRONICS SHOP, VAX AND DEC 20 COMPUTERS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A PRIVATE AND A PHYSICS DEPARTMENT LIBRARY COLLECTION

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS FOR SOME WORK DONE AT OTHER LABS AND RESEARCH CENTERS

OUTPUTS: RESEARCH ARTICLES IN REFEREED JOURNALS; CONFERENCE REPORTS

151
CARNEGIE-MELLON UNIVERSITY
DR. JOHN L. ANDERSON, DIRECTOR
BIOMEDICAL ENGINEERING PROGRAM
1323 WEAN HALL
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2521

N.C.E.S. CODES
14.050000
S.I.C. CODES
283
809
KEYWORDS
BIOMEDICAL ENGINEERING
BIOTECHNOLOGY
MEDICAL DEVICES
PERSONNEL
11 RESEARCH PROFESSIONALS
12 SUPPORT PROFESSIONALS
24 TECHNICAL STAFF
2 SUPPORT STAFF
PAST FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: NATIONAL INSTITUTES OF HEALTH

FACILITIES: CANCER RESEARCH LAB, NEUROLOGICAL CONTROL SYSTEMS LAB, AUDITORY SYSTEMS LAB, BIOMESA LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: USE OF THE ORTHOPAEDIC RESEARCH LAB, THE BIOMEDICAL IMAGE PROCESSING UNIT AND THE SURGICAL RESEARCH LAB AT THE UNIVERSITY OF PITTSBURGH MEDICAL SCHOOL

OUTPUTS: PROTOTYPE FOR A FETAL HEART MONITOR; NUMEROUS REPORTS

152
CARNEGIE-MELLON UNIVERSITY
EDWARD S. RUBIN, DIRECTOR
CENTER FOR ENERGY AND ENVIRONMENTAL STUDIES
304 SCAIFE HALL
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2491

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
ENGINEERING
INTERDISCIPLINARY
POLICY ANALYSIS
PERSONNEL
40 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $6678177.00
SOURCES: DEPARTMENT OF ENERGY, U.S. ENVIRONMENTAL PROTECTION AGENCY, AFOSR, NATIONAL SCIENCE FOUNDATION, NASA, BENEDUM FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $3980897.00

SOURCES: DEPARTMENT OF ENERGY, U.S. ENVIRONMENTAL PROTECTION AGENCY, AFOSR, NASA, NATIONAL SCIENCE FOUNDATION, BENEDUM FOUNDATION

BUILDINGS: N/A

COLLECTIONS: ENERGYFISHE, ENVIROFISHE, PLUS OTHER COLLECTIONS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH REPORTS, PAPERS AND OTHER PUB- LICATIONS

153
CARNEGIE-MELLON UNIVERSITY
DWIGHT M. BAUMANN, DIRECTOR
CENTER FOR ENTREPRENEURIAL DEVELOPMENT
419 SCAIFE HALL
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-621-0700

N.C.E.S. CODES
8.030000
30.030000
S.I.C. CODES
891
KEYWORDS
ENTREPRENEURSHIP
PERSONNEL
5 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00
SOURCES: NSF; INTERNAL YIELD FROM PRIOR PROJECTS
PAST FUNDING
AVERAGE AMOUNT = $200000.00
SOURCES: NSF; THE CENTER'S REVOLVING FUND

FACILITIES: EXPERIMENTAL URBAN SERVICE COMPANY

BUILDINGS: FIVE STORY BUILDING NEAR CAMPUS

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE UNIVERSITY OF PITTSBURGH; BETWEEN UNIVERSITY DEPARTMENTS

OUTPUTS: PATENTS IN TAXIMETER AND COMPUTER DISPATCH SYSTEMS; DEVELOPMENT OF HIGH PRESSURE SUPERCRITICAL SOLVEN EXTRACTION SYSTEM; DEVELOPMENT OF CHINESE TYPEWRITER WITH FULL ALPHABET CAPABILITY

154
CARNEGIE-MELLON UNIVERSITY
DR. D. LANSING TAYLOR, DIRECTOR
CENTER FOR FLUORESCENCE RESEARCH IN BIOMEDICAL SCIENCES
4900 FIFTH AVENUE
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-3456

N.C.E.S. CODES
26.049900
26.020000
S.I.C. CODES
99
KEYWORDS
CELL MOTILITY
FLUORESCENT ANALOG CYTOCHEMISTRY
FLUORESCENT PROBES
PERSONNEL
4 RESEARCH PROFESSIONALS
7 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $105750.00
SOURCES: CARNEGIE-MELLON UNIVERSITY

FACILITIES: FLUORESCENCE - ACTIVATED CELL SORTER, HIGH-RESOLUTION VIDEO MICROSCOPE WITH IMAGE PROCESSOR, MICROSPECTROFLUORIMETER, LASER/SCANNING MICROSCOPE WITH PROCESSOR FOR TIME-RESOLVED MEASUREMENTS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

155
CARNEGIE-MELLON UNIVERSITY
DR. W.W. MULLINS, DIRECTOR
CENTER FOR THE JOINING OF MATERIALS
N/A
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-3654

N.C.E.S. CODES
14.190000
14.200000
S.I.C. CODES
346
347

KEYWORDS
JOINING OF MATERIALS
FUSION JOINING
INTERFACIAL PHENOMENA
PERSONNEL
19 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $775000.00
SOURCES: NATIONAL SCIENCE FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $700000.00
SOURCES: NATIONAL SCIENCE FOUNDATION

FACILITIES: OPERATES A BANK OF CENTRAL RESEARCH FACILITIES INCLUDING ELECTRON MICROSCOPY, SURFACE AND MICROANALYSIS, X-RAY ANALYSIS, FUSION AND SOLID STATE JOINING

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ANNUAL TECHNICAL REPORT; NUMEROUS RESEARCH ARTICLES IN SCIENTIFIC JOURNALS; PRESENTATIONS AT SCIENTIFIC MEETINGS

156
CARNEGIE-MELLON UNIVERSITY
DR. ROGER HENDRIX, DIRECTOR
CENTRALIZED FERMENTATION FACILITY
4400 FIFTH AVENUE
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-3445

N.C.E.S. CODES
26.040200
26.050000
S.I.C. CODES
99
KEYWORDS
FERMENTATION
GENETIC ENGINEERING
RESTRICTION ENZYMES
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000.00
SOURCES: USERS' FEES
PAST FUNDING
AVERAGE AMOUNT = $250500.00
SOURCES: NATIONAL SCIENCE FOUNDATION AND THE UNIVERSITY OF PITTSBURGH, VIA MPC CORPORATION; CARNEGIE-MELLON UNIVERSITY; USERS' FEES

FACILITIES: 250 LITER SELF-STERILIZABLE PILOT PLANT FERMENTER, 28 LITER SEED FERMENTER, CELL BREAKER, CONTINUOUS CENTRIFUGES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PRODUCTION OF BULK QUANTITIES OF VARIOUS STRAINS OF THE FOLLOWING ORGANISMS: E. COLI, S. TYPHIMURIUM, D. DISCOIDEUM AND S. CEREVISIAE (YEAST)

157
CARNEGIE-MELLON UNIVERSITY
A.N. HABERMANN, DIRECTOR
COMPUTER SYSTEMS
COMPUTER SCIENCE DEPARTMENT
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2592

N.C.E.S. CODES
14.140900
11.110400
14.142700
S.I.C. CODES
357
KEYWORDS
DESIGN AUTOMATION
COMPUTER ARCHITECTURE
CHIP DESIGN
PERSONNEL
4 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1656446.00
SOURCES: U.S. ARMY; NOSC; NASA; ONR; RADC; DARPA; SYSTEM DEVELOPMENT FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $1290325.00
SOURCES: U.S. ARMY; NOSC; NASA; ONR; RADC; DARPA; RCA

FACILITIES: VLSI LAB; HARDWARE DESIGN LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: VLSI CHIPS; DISTRIBUTED SENSOR NETWORK; NUMEROUS TECHNICAL REPORTS

158
CARNEGIE-MELLON UNIVERSITY
JOSEPH M. BALLAY, DIRECTOR
COMPUTER-AIDED DESIGN LABORATORY - DESIGN DEPARTMENT
DESIGN DEPARTMENT 359 BAKER HALL
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2829

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
AUTOMATION SYSTEM USABILITY
DESIGN PROCESS RESEARCH
COMPUTER-AIDED DESIGN
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $148243.00
SOURCES: IBM
PAST FUNDING
AVERAGE AMOUNT = $98000.00
SOURCES: IBM

FACILITIES: CADAM SYSTEM AND ANCILLARY SQUARE PT RUNNING ON IBM 4331, VIDEOTAPE EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: BETWEEN DEPARTMENTS OF THE UNIVERSITY

OUTPUTS: QUARTERLY AND FINAL REPORTS; TUTORIAL DOCUMENTS ON CADAM

159
CARNEGIE-MELLON UNIVERSITY
PROFESSOR RAYMOND A. SORENSEN, DIRECTOR
CONDENSED MATTER AND APPLIED PHYSICS
DEPARTMENT OF PHYSICS
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2745

N.C.E.S. CODES
40.080800
40.080200
40.080100
S.I.C. CODES
99
KEYWORDS
CRYOGENICS
MAGNETISM
THERMODYNAMICS
PERSONNEL
8 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $650000.00
SOURCES: CARNEGIE-MELLON UNIVERSITY; NSF
PAST FUNDING
AVERAGE AMOUNT = $620000.00
SOURCES: NSF

FACILITIES: MACHINE SHOP, ELECTRONICS SHOP, VAX AND DEC 20 COMPUTERS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A PRIVATE AND A PHYSICS DEPARTMENT LIBRARY COLLECTION

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS FOR EXPERIMENTAL WORK AT BROOKHAVEN NATIONAL LAB

OUTPUTS: RESEARCH ARTICLES IN REFEREED JOURNALS; CONFERENCE REPORTS

160
CARNEGIE-MELLON UNIVERSITY
STEVEN J. FENVES, DIRECTOR
DESIGN RESEARCH CENTER
DOHERTY HALL A219
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2229

N.C.E.S. CODES
11.990000
14.990000
S.I.C. CODES
892
KEYWORDS
COMPUTER-AIDED DESIGN
SYNTHESIS
OPTIMIZATION
PERSONNEL
24 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $226000.00

SOURCES: NSF; SLOAN FOUNDATION;
CARNEGIE-MELLON UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $193000.00
SOURCES: NSF; SLOAN FOUNDATION;
CARNEGIE-MELLON UNIVERSITY; INDUSTRIAL LIAISONS

FACILITIES: TWO LABORATORIES; TERMINALS

BUILDINGS: N/A

COLLECTIONS: A LIBRARY OF ALL THE RESEARCH REPORTS PUBLISHED SINCE THE SERIES BEGAN

COOPERATIVE ARRANGEMENTS: INDUSTRIAL LIAISON PROGRAM

OUTPUTS: RESEARCH REPORTS SERIES PRINTED AND DISTRIBUTED ON A BI-ANNUAL BASIS

161
CARNEGIE-MELLON UNIVERSITY
PROFESSOR P.D. BARNES, DIRECTOR
INTERMEDIATE ENERGY NUCLEAR EXPERIMENTAL STUDIES
DEPARTMENT OF PHYSICS
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2745

N.C.E.S. CODES
40.080400
40.080600
S.I.C. CODES
99
KEYWORDS
PARTICLE ACCELERATORS
HYPERNUCLEI
MESON
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $420000.00
SOURCES: DOE
PAST FUNDING
AVERAGE AMOUNT = $350000.00
SOURCES: DOE

FACILITIES: MACHINE SHOP, ELECTRONICS SHOP, VAX AND DEC 20 COMPUTERS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A PRIVATE AND A PHYSICS DEPARTMENT LIBRARY COLLECTION

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS FOR EXPERIMENTS AT NATIONAL LABS AND FACILITIES IN EUROPE

OUTPUTS: RESEARCH ARTICLES IN REFEREED JOURNALS; CONFERENCE REPORTS

162
CARNEGIE-MELLON UNIVERSITY
OMER AKIN, DIRECTOR
KNOWLEDGE ACQUISITION
DEPARTMENT OF ARCHITECTURE CFA 201
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2355

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
PROTOCOL ANALYSIS
KNOWLEDGE ACQUISITION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $52469.00
SOURCES: NATIONAL SCIENCE FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $56844.00
SOURCES: NATIONAL SCIENCE FOUNDATION

FACILITIES: CONCEPT 100 TERMINALS ON CS COMPUTING FACILITIES; PERQ

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: WORKING PAPERS IN USER-COMPUTER INTERFACE UNDERSTANDING AS A FUNCTION OF IMAGE COMPRESSION

163
CARNEGIE-MELLON UNIVERSITY
MARK H. KRYDER, DIRECTOR
MAGNETICS TECHNOLOGY CENTER
ELECTRICAL ENGINEERING DEPARTMENT
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-3513

N.C.E.S. CODES
14.100000
14.090000
S.I.C. CODES
381
KEYWORDS
MAGNETIC RECORDING
MAGNETIC BUBBLES
APPLIED MAGNETICS
PERSONNEL
8 RESEARCH PROFESSIONALS
9 SUPPORT PROFESSIONALS
30 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2500000.00
SOURCES: NATIONAL SCIENCE FOUNDATION; INDUSTRY; U.S. AIR FORCE
PAST FUNDING
AVERAGE AMOUNT = $1000000.00
SOURCES: NATIONAL SCIENCE FOUNDATION; INDUSTRY; U.S. AIR FORCE

FACILITIES: CLASS 100 CLEAN ROOM FOR MICROFABRICATION; EXTENSIVE MAGNETICS TEST LABS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: MANY COOPERATIVE RESEARCH PROGRAMS WITH INDUSTRIAL COMPANIES

OUTPUTS: 40 TECHNICAL PAPERS PRESENTED AT INTERNATIONAL CONFERENCES OR PUBLISHED IN NATIONAL AND INTERNATIONAL TECHNICAL JOURNALS

164
CARNEGIE-MELLON UNIVERSITY
JAMES C. WILLIAMS, DIRECTOR
MELLON INSTITUTE
4400 FIFTH AVENUE
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2704

N.C.E.S. CODES
0
S.I.C. CODES
36
28
KEYWORDS
CONTRACT RESEARCH
RESEARCH SERVICES
PERSONNEL
27 RESEARCH PROFESSIONALS
73 SUPPORT PROFESSIONALS
34 TECHNICAL STAFF
36 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $12300000.00
SOURCES: INDUSTRY; U.S. GOVERNMENT; ASSOCIATIONS; FOUNDATIONS; INVESTORS
PAST FUNDING
AVERAGE AMOUNT = $12100000.00
SOURCES: INDUSTRY; U.S. GOVERNMENT; ASSOCIATIONS; FOUNDATIONS; INVESTORS

FACILITIES: LABORATORIES; SKILLED SUPPORT SHOPS

BUILDINGS: FOUR BUILDINGS IN TWO PITTSBURGH LOCATIONS, WITH STOREROOMS FOR CHEMICAL, MECHANICAL AND ELECTRONIC STOCK

COLLECTIONS: A 64000 VOLUME LIBRARY IS LOCATED IN THE INSTITUTE'S BUILDING

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: AN ANNUAL REPORT; PROJECT REPORTS; PUBLICATIONS IN SCIENTIFIC AND TECHNICAL BOOKS; PROFESSIONAL JOURNAL ARTICLES

165
CARNEGIE-MELLON UNIVERSITY
AKSEL A. BOTHNER-BY, DIRECTOR
NMR FACILITY FOR BIOMEDICAL STUDIES
WEAN HALL
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-3149

N.C.E.S. CODES
26.020000
40.050200
S.I.C. CODES
381
KEYWORDS
NUCLEAR MAGNETIC RESONANCE
BIOMOLECULES
STRUCTURE
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $249000.00
SOURCES: NATIONAL INSTITUTES OF HEALTH
PAST FUNDING
AVERAGE AMOUNT = $203000.00
SOURCES: NATIONAL INSTITUTES OF HEALTH

FACILITIES: 600 MH2 NMR SPECTROMETER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: APPROXIMATELY 150 PUBLICATIONS IN SCIENTIFIC JOURNALS

166
CARNEGIE-MELLON UNIVERSITY
PROFESSOR L.S. KISSLINGER, DIRECTOR
NUCLEAR THEORY
DEPARTMENT OF PHYSICS
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2768

N.C.E.S. CODES
40.080600
S.I.C. CODES
99
KEYWORDS
NUCLEAR STRUCTURE
NUCLEAR REACTIONS
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $162000.00
SOURCES: NSF
PAST FUNDING
AVERAGE AMOUNT = $122000.00
SOURCES: NSF

FACILITIES: VAX AND DEC 20 COMPUTERS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A PRIVATE AND A PHYSICS DEPARTMENT LIBRARY COLLECTION

COOPERATIVE ARRANGEMENTS: CONSULTING AT NATIONAL LABS; COLLABORATIONS WITH PHYSICISTS AT OTHER UNIVERSITIES

OUTPUTS: RESEARCH ARTICLES IN REFEREED JOURNALS; CONFERENCE REPORTS; ORGANIZED AND ADVISED CONFERENCES AND WORKSHOPS AT SEVERAL INSTITUTIONS

167
CARNEGIE-MELLON UNIVERSITY
DAVID CASASENT, DIRECTOR
OPTICAL AND DIGITAL IMAGE AND SIGNAL PROCESSING
ELECTRICAL ENGINEERING DEPARTMENT
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2464

N.C.E.S. CODES
14.100000
S.I.C. CODES
381
KEYWORDS
PATTERN RECOGNITION
SIGNAL PROCESSING
OPTICAL DATA PROCESSING
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
24 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $600000.00
SOURCES: AFSOR; NASA-LANGLEY; NASA-LEWIS; GENERAL DYNAMICS; NSF; WESTINGHOUSE; CHEVRON
PAST FUNDING
AVERAGE AMOUNT = $500000.00
SOURCES: AFSOR; NASA-LANGLEY; NASA-LEWIS; GENERAL DYNAMICS; NSF

FACILITIES: SEVEN LARGE LABS FULLY EQUIPPED WITH OPTICAL PROCESSORS, A VAX750 PROCESSOR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: COOPERATIVE ARRANGEMENTS WITH WESTINGHOUSE

OUTPUTS: 35 PAPERS AND NUMEROUS REPORTS PER YEAR

168
CARNEGIE-MELLON UNIVERSITY
PROFESSOR R.B. SUTTON, DIRECTOR
PARTICLE PHYSICS
DEPARTMENT OF PHYSICS
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2746

N.C.E.S. CODES
40.080400
S.I.C. CODES
99
KEYWORDS
PARTICLE ACCELERATORS
PARTICLE PHYSICS
BARYON, HADRON, OR LEPTON
PERSONNEL
11 RESEARCH PROFESSIONALS
7 SUPPORT PROFESSIONALS
21 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1300000.00
SOURCES: DOE

PAST FUNDING
AVERAGE AMOUNT = $1100000.00
SOURCES: DOE

FACILITIES: MACHINE SHOP, ELECTRONICS SHOP, VAX AND DEC 20 COMPUTERS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A PRIVATE AND A PHYSICS DEPARTMENT LIBRARY COLLECTION

COOPERATIVE ARRANGEMENTS: COOPERATIVE ARRANGEMENTS FOR EXPERIMENTS AT NATIONAL LABS AND AT FACILITIES IN EUROPE

OUTPUTS: RESEARCH ARTICLES IN REFEREED JOURNALS; CONFERENCE REPORTS

169
CARNEGIE-MELLON UNIVERSITY
A.N. HABERMANN, DIRECTOR
PROGRAMMING SYSTEMS
COMPUTER SCIENCE DEPARTMENT
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2592

N.C.E.S. CODES
11.110200
11.110400
S.I.C. CODES
737
357
KEYWORDS
PROGRAMMING LANGUAGE
COMPILER
SOFTWARE METHODOLOGY
PERSONNEL
10 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
32 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1772768.00
SOURCES: DARPA; U.S. ARMY; NSF; IBM
PAST FUNDING
AVERAGE AMOUNT = $1461683.00
SOURCES: DARPA; U.S. ARMY; NSF; LAWRENCE LIVERMORE NL

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ACCENT; GANDALF ENVIRONMENT; ADA PROGRAMMING LANGUAGE; NUMEROUS TECHNICAL REPORTS

170
CARNEGIE-MELLON UNIVERSITY
DEAN BRIAN J.L. BERRY, DIRECTOR
SCHOOL OF URBAN AND PUBLIC AFFAIRS
SCHENLEY PARK
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2159

N.C.E.S. CODES
44.050000
45.120000
44.040000
S.I.C. CODES
93
94
95
KEYWORDS
PUBLIC POLICY STUDIES
COMMUNITY SERVICES
INTERNATIONAL PUBLIC SERVICE
PERSONNEL
37 RESEARCH PROFESSIONALS
9 SUPPORT PROFESSIONALS
22 TECHNICAL STAFF
20 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3570000.00
SOURCES: ENDOWMENT; TUITION AND FEES; RESEARCH CONTRACTS
PAST FUNDING
AVERAGE AMOUNT = $3250000.00
SOURCES: ENDOWMENT; TUITION AND FEES; RESEARCH CONTRACTS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

171
CARNEGIE-MELLON UNIVERSITY
A.N. HABERMANN, DIRECTOR
THEORY OF COMPUTATION
COMPUTER SCIENCE DEPARTMENT
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-578-2592

N.C.E.S. CODES
11.119900
27.270300
27.270400
S.I.C. CODES
99

KEYWORDS
ALGORITHMS
OPTIMIZATION
LOGIC OF PROGRAMS
PERSONNEL
3 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $574623.00
SOURCES: CARNEGIE-MELLON UNIVERSITY RESEARCH FUNDS; DARPA; ONR
PAST FUNDING
AVERAGE AMOUNT = $446747.00
SOURCES: CARNEGIE-MELLON UNIVERSITY RESEARCH FUNDS; NSF; ONR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS TECHNICAL REPORTS

172
CAROLINA FREIGHT CARRIERS CORP.
JOSEPH C. DISMUKES, DIRECTOR
MARKET RESEARCH
P.O. BOX 697
CHERRYVILLE, NC 28021
COUNTY
DEVELOPMENT REGION
PHONE: 704-435-6811

N.C.E.S. CODES
8.110000
S.I.C. CODES
22
28
21
KEYWORDS
FEASIBILITY STUDIES
MARKET STUDIES
QUANTITY
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

BUILDINGS: N/A

COLLECTIONS: PUBLICATIONS AND RESEARCH MATERIALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

173
CARPENTER TECHNOLOGY CORPORATION
NEIL J. CULP, DIRECTOR
TECHNICAL DEPARTMENT
P.O. BOX 662
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-371-2706

N.C.E.S. CODES
14.200000
S.I.C. CODES
331
346
KEYWORDS
NEW ALLOYS
NEW STEEL PROCESSES
MANUFACTURING PROBLEM SOLVING
PERSONNEL
60 RESEARCH PROFESSIONALS
40 SUPPORT PROFESSIONALS
150 TECHNICAL STAFF
16 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $20000000.00

FACILITIES: EXPERIMENTAL VACUUM AND AIR MELTING FURNACES; EXPERIMENTAL HOT WORKING PRESS; POWDER METAL MANUFACTURING FACILITIES; MECHANICAL TEST EQUIPMENT; PHYSICAL TEST EQUIPMENT; ELECTRON MICROSCOPE; ELECTRON MICROPROBE; CHEMICAL ANALYTICAL FACILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A TECHICAL LIBRARY

COOPERATIVE ARRANGEMENTS: COOPERATIVE PROGRAM WITH LEHIGH UNIVERSITY

OUTPUTS: N/A

174
CASKET SHELLS INC.
DR. LARRY BONCZAR, DIRECTOR
CSI RESEARCH AND DEVELOPMENT
FIRST STREET
EYNON, PA 18403
LACKAWANNA COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-876-2642

N.C.E.S. CODES
14.000000
8.990000
18.990000
S.I.C. CODES
349
739
899

KEYWORDS
CASKET IMPROVEMENTS
FUNERAL CARE
PERSONNEL
2 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH SUPPLIER

OUTPUTS: N/A

175
CEILING FANS INC.
A.N. GIDWANI, DIRECTOR
CEILING FANS INC
P.O. BOX 306, 429 INSURANCE STREET
BEAVER, PA 15009
BEAVER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-774-7586

N.C.E.S. CODES
8.990000
S.I.C. CODES
363
364
343
KEYWORDS
ENERGY CONSERVATION
COMMERCIAL AND INDUSTRIAL HEATING
PEOPLE COMFORT
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

176
CENTER FOR FORENSIC ECONOMIC STUDIES
DR. JEROME STALLER, DIRECTOR
CENTER FOR FORENSIC ECONOMIC STUDIES
1339 CHESTNUT STREET, SUITE 809
PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-963-9565

N.C.E.S. CODES
6.130200
11.990000
S.I.C. CODES
921
628
KEYWORDS
DAMAGE DETERMINATIONS
STRUCTURED SETTLEMENTS
ARBITRATION
PERSONNEL
10 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
6 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

177
CENTER FOR THE STUDY OF ECONOMICS
MR. STEVEN CORD, DIRECTOR
CENTER FOR THE STUDY OF ECONOMICS
580 NORTH SIXTH STREET
INDIANA, PA 15701
INDIANA COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-465-7119

N.C.E.S. CODES
6.190000
45.060000
45.100000
S.I.C. CODES
93
KEYWORDS
TAX-PROPERTY
TAX-LAND
ECONOMIC DEVELOPMENT-CITIES
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $30000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

178
CENTRE COUNTY INDUSTRIAL DEVELOPMENT
CORPORATION
MR. EDWARD J. JEPSON, DIRECTOR
CENTRE COUNTY INDUSTRIAL DEVELOPMENT CORPORATION
315 WEST HIGH STREET
BELLEFONTE, PA 16823
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-355-0011

N.C.E.S. CODES
6.050000
7.030000
6.170100
S.I.C. CODES
655
864
93
KEYWORDS
DEVELOPMENT
PROJECTIONS
FINANCIAL STATEMENTS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $55000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

179
CERAMIC FINISHING CO.
HENRY P. KIRCHNER, DIRECTOR
CERAMIC FINISHING COMPANY
P.O. BOX 498
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-4270

N.C.E.S. CODES
14.180000
14.110000
40.079900
S.I.C. CODES
32
35
899
KEYWORDS
CERAMIC
FRACTURE MECHANICS
FAILURE ANALYSIS
PERSONNEL
5 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

FACILITIES: CERAMIC RESEARCH LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

180
CHAMBERSBURG ENGINEERING COMPANY
CHARLES W. FRAME, DIRECTOR
CHAMBERSBURG ENGINEERING COMPANY
P.O. BOX V
CHAMBERSBURG, PA 17201
FRANKLIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-264-7151

N.C.E.S. CODES
14.190000
S.I.C. CODES
354
KEYWORDS
DROP FORGING
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000.00

FACILITIES: VARIOUS IMPACT FORGING EQUIPMENT OF THE ANVIL-TYPE AND COUNTERBLOW-TYPE: STRESS AND PROCESS MEASUREMENT INSTRUMENTATION HI-SPEED PHOTOGRAPHY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

181
CHARLES M. DONOVAN ASSOCIATES
CHARLES M. DONOVAN, DIRECTOR
CHARLES M. DONOVAN ASSOCIATES
P.O. BOX 180
POTTSTOWN, PA 19464
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-323-3310

N.C.E.S. CODES
11.110800
11.110300
11.119900
S.I.C. CODES
899
737
739
KEYWORDS
TRANSPORTATION
SYSTEMS
DISTRIBUTION
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: IBM SYSTEM 34 COMPUTER

BUILDINGS: N/A

COLLECTIONS: - DISTRIBUTION DATA BASES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

182
CHEM-BAC ENVIRONMENTAL SYSTEMS, INC.
N.W. ELLIOTT, DIRECTOR
BIOLOGICAL DEGRADATION OF WASTE MATERIALS
P.O. BOX 10369
PITTSBURGH, PA 15234
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-941-3500

N.C.E.S. CODES
26.010000
S.I.C. CODES
891
KEYWORDS
OXIDATION
WASTE MATERIALS
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

CURRENT FUNDING
AVERAGE AMOUNT = $20000.00

FACILITIES: LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: JOINT STUDY WITH POLYBAC, INC., ALLENTOWN, PA

OUTPUTS: N/A

183
CHEMICAL COATINGS & ENGINEERING CO., INC.
KARL BENNUNG, DIRECTOR
CHEMICAL COATINGS & ENGINEERING CO., INC.
221 BROOK STREET
MEDIA, PA 19063
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-566-7470

N.C.E.S. CODES
14.180000
4.990000
S.I.C. CODES
285
295
282
KEYWORDS
ROOFING
ADHESION
COATING
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

184
CHEMICAL DATA SYSTEMS
DR. E.J. LEVY, DIRECTOR
CHEMICAL DATA SYSTEMS
7000 LIMESTONE ROAD
OXFORD, PA 19363
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-932-3636

N.C.E.S. CODES
0
S.I.C. CODES
381
382
367
KEYWORDS
ORGANIC CHEMICAL ANALYSIS
CHEMICAL INSTRUMENTATION
ENGINEERING DESIGN
PERSONNEL
10 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: ENGINEERING DESIGN AND MANUFACTURING AND PRODUCTION FACILITIES: ELECTRONIC COMPONENTS; APPLICATIONS LABORATORY

BUILDINGS: N/A

COLLECTIONS: KEY ENGINEERING, ANALYTICAL, AND MATERIAL SCIENCE BOOKS AND JOURNALS AVAILABLE

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

185
CHESTER REDEVELOPMENT AUTHORITY
N/A, DIRECTOR
CHESTER REDEVELOPMENT AUTHORITY
P.O. BOX 437
CHESTER, PA 19013
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-447-7850

N.C.E.S. CODES
0
S.I.C. CODES
961
655
953
KEYWORDS
N/A
CURRENT FUNDING
AVERAGE AMOUNT = $2200000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

186
CHEYNEY STATE COLLEGE
DR. CARL LAMPNER, DIRECTOR
SKILL DEVELOPMENT PROGRAM FOR THE ELDERLY
COLLEGE OF EDUCATION
CHEYNEY, PA 19319
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-758-2284

N.C.E.S. CODES
18.100800
S.I.C. CODES
83
KEYWORDS
ELDERLY
OLD ADULTS
GERIATRICS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $87000.00
SOURCES: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

187
CHEYNEY STATE COLLEGE
HERBERT H. WOMACK, DIRECTOR
TRANSPORTATION PROGRAM MANAGEMENT CENTER
COLLEGE OF EDUCATION
CHEYNEY, PA 19319
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-758-2282

N.C.E.S. CODES
8.110000
S.I.C. CODES
411
KEYWORDS
TRANSPORTATION
EVALUATION
MINORITY BUSINESS ENTERPRIZES
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $20000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: EVALUATION REPORT ON 14 PROGRAM MANAGEMENT CENTERS' CONTRACT PERFORMANCE

188
CHRISTIAN LITERATURE CRUSADE
BOB HILEY, DIRECTOR
INTERNATIONAL RESEARCH AND INFORMATION SERVICE
P.O. BOX C
FORT WASHINGTON, PA 19034
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-542-1242

N.C.E.S. CODES
44.030000
9.990000
8.990000
S.I.C. CODES
272
273
KEYWORDS
MISSIONARY
LITERATURE
MINISTRY
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $25000.00

BUILDINGS: N/A

COLLECTIONS: FILES OF INFORMATION ABOUT CHRISTIAN LITERATURE MINISTRIES WORLDWIDE

COOPERATIVE ARRANGEMENTS: EVANGELICAL FOREIGN MISSIONS ASSOCIATION, ASSOCIATION OF CHURCH MISSION COMMITTEES

OUTPUTS: N/A

189
CITY OF ALLENTOWN
DONALD BEINHARD, DIRECTOR
RESEARCH AND INTERGOVERNMENTAL RELATIONS OFFICE
435 HAMILTON STREET, ROOM 325
ALLENTOWN, PA 18101
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-437-7610

N.C.E.S. CODES
4.030000
6.120000
14.080000
S.I.C. CODES
99
KEYWORDS
PRODUCTIVITY IMPROVEMENT
LONG RANGE PLANNING
PROBLEM SOLVING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS OF THE POLICY BOARD INVOLVING LEHIGH UNIVERSITY, MUHLENBERG, CEDAR CREST, PP&L, AIR PRODUCTS

OUTPUTS: N/A

190
CLUETT, PEABODY & CO., INC.
FRANK H. HUGHES, DIRECTOR
TECHNICAL SERVICES DEPARTMENT - R&D
433 RIVER STREET
TROY, NY 12180
COUNTY
DEVELOPMENT REGION
PHONE: 518-274-4000

N.C.E.S. CODES
14.010000
14.100000
14.190000
S.I.C. CODES
355
362
KEYWORDS
FABRIC CONSTRUCTION PROCESSES
FABRIC CONSTRUCTION MACHINERY
PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

BUILDINGS: N/A

COLLECTIONS: BOOK REFERENCE LIBRARY FOR CHEMICAL, FABRIC, ELECTRONIC AND MECHANICAL INFORMATION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

191
COCHRANE ENVIRONMENTAL SYSTEMS, DIV.-CRANE CO.
ROBERT W. HANKES, DIRECTOR
COCHRANE R&D DEPARTMENT
800 THIRD AVE.
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-265-5050

N.C.E.S. CODES
  14.070000
  14.190000
  14.100000
S.I.C. CODES
  344
KEYWORDS
  WASTE WATER TREATMENT
  ION EXCHANGE
  REVERSE OSMOSIS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00

FACILITIES: WET CHEMISTRY LAB

BUILDINGS: N/A

COLLECTIONS: WATER CHEMISTRY LIBRARY

COOPERATIVE ARRANGEMENTS: TECHNICAL EXCHANGE WITH FOREIGN LICENSEES

OUTPUTS: N/A

192
COLLEGE PLACEMENT COUNCIL, INC.
CATHERINE M. KANDEFER, DIRECTOR
THE CPC FOUNDATION
62 HIGHLAND AVENUE
BETHLEHEM, PA 18017
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-868-1421

N.C.E.S. CODES
  0
S.I.C. CODES
  862
KEYWORDS
  CAREER PLANNING
  COLLEGE GRADUATES
  EDUCATION RESEARCH
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

193
COLUMBIA GAS SYSTEM SERVICE CORPORATION
MR. W.F. MORSE, DIRECTOR
RESEARCH DEPARTMENT
1600 DUBLIN ROAD, P.O. BOX 2318
COLUMBUS, OH 43216-2318
 COUNTY
 DEVELOPMENT REGION
PHONE: 614-486-3681

N.C.E.S. CODES
  14.990000
  30.030100
S.I.C. CODES
  492
  131
  892
KEYWORDS
  NATURAL GAS SUPPLY
  SYNTHETIC GAS SUPPLY
  TRANSMISSION AND DISTRIBUTION
PERSONNEL
  23 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  14 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $9800000.00

FACILITIES: CHEMISTRY, METALLURGICAL, GENERAL PURPOSE, SHALE, ELECTRONICS, APPLIANCE, AND GRAPHIC ARTS LABORATORIES; LARGE PILOT PLANT; MACHINE WELDING AND SHEET METAL SHOPS; COMPUTER TERMINALS

BUILDINGS: N/A

COLLECTIONS: ENERGY AND ENGINEERING COLLECTION OF 3500 BOOKS AND MONOGRAPHS, 221 JOURNALS, AND AN EXTENSIVE COLLECTION OF GOVERNMENT REPORTS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

194
COMBUSTION AND EXPLOSIVE RESEARCH, INC.
MR. BELA KARLOVITC, DIRECTOR
COMBUSTION AND EXPLOSIVE RESEARCH, INC.
719 OLIVER BUILDING
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-391-3633

N.C.E.S. CODES
40.010000
40.050600
40.080500
S.I.C. CODES
99
KEYWORDS
COMBUSTION
FLAMES
EXPLOSIONS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: SMALL PRIVATE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

195
COMMUNICATION RESOURCE GROUP, INC.
STEPHEN C. TWEED, DIRECTOR
CRG STRATEGIC BUSINESS SYSTEMS
309 DRAKE BUILDING
OIL CITY, PA 16301
VENANGO COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-676-0696

N.C.E.S. CODES
6.060000
6.140100
6.180100
S.I.C. CODES
739
KEYWORDS
PLANNING
COMMUNICATION
TRAINING
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: LIBRARY OF RESOURCE MATERIALS FOR HUMAN RESOURCE DEVELOPMENT, STRATEGIC PLANNING, SALES AND CUSTOMER RELATIONS

COOPERATIVE ARRANGEMENTS: SUPPORT NETWORK OF 18 PROFESSIONALS, MEDIA SUPPORT GROUPS FOR WRITING, GRAPHIC ART, PRINTING, VISUAL AIDS, FILM, VIDEO

OUTPUTS: N/A

196
COMPUTER PERIPHERALS, INC., A SUBSIDIARY OF
CONTROL DATA CORPORATION
DONALD T. BEST, DIRECTOR
PRODUCT DEVELOPMENT DEPARTMENT
2621 VAN BUREN AVENUE
NORRISTOWN, PA 19403
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-666-5000

N.C.E.S. CODES
11.990000
14.090000
14.110000
S.I.C. CODES
357
KEYWORDS
MAGNETIC RECORDING
MAGNETIC TAPE PRODUCTS
PERIPHERAL PRODUCTS FOR DIGITAL COMPUTERS
PERSONNEL
56 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
46 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $7500000.00

FACILITIES: ELECTRONICS DEVELOPMENT LABORATORIES; MAGNETIC MATERIALS LABORATORY; COMPUTER CENTER

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SMALL SPECIALIZED LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

197
COMPUTERVISION
DAVID FRIEDMAN, DIRECTOR
SYSTEMS TECHNOLOGY
201 BURLINGTON ROAD
BEDFORD, MA 01730
COUNTY
DEVELOPMENT REGION

PHONE: 415-275-1800

N.C.E.S. CODES
  14.090000
  14.100000
  14.270000
S.I.C. CODES
  357
KEYWORDS
  COMPUTERS
  HARDWARE AND SOFTWARE DEVELOPMENT
  OPERATING SYSTEMS
PERSONNEL
  175 RESEARCH PROFESSIONALS
  75 SUPPORT PROFESSIONALS
  15 TECHNICAL STAFF
  20 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $20000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

198
CONCEPT INDUSTRIES, INC.
ROBERT J. STUDER, DIRECTOR
CONCEPT INDUSTRIES, INC.
41 MAYFIELD DRIVE
LEOLA, PA 17540
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-656-7556

N.C.E.S. CODES
  2.030100
  2.030200
  2.030600
S.I.C. CODES
  202
  203
  209
KEYWORDS
  INTERNATIONAL FOOD MANUFACTURING
  FOOD SCIENCE
  FOOD ENGINEERING
PERSONNEL
  9 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  3 SUPPORT STAFF

FACILITIES: COMPLETE PILOT PLANT PROCESSING FACILITIES FOR MOST FOOD PROCESSING

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A COMPLETE LIBRARY OF FOOD RELATED MATERIALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

199
CONCO SYSTEMS, INC.
GEORGE E. SAXON, DIRECTOR
RESEARCH & DEVELOPMENT LAB
135 SYLVAN STREET
VERONA, PA 15147
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-828-5222

N.C.E.S. CODES
  14.190000
S.I.C. CODES
  349
KEYWORDS
  TUBE CLEANING TOOLS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

200
CONEMAUGH VALLEY MEMORIAL HOSPITAL
DR. WILLIAM WYNERT, DIRECTOR
RESEARCH COMMITTEE
1086 FRANKLIN STREET
JOHNSTOWN, PA 15905
CAMBRIA COUNTY
SOUTHERN ALLEGHENIES DEVELOPMENT REGION
PHONE: 814-536-6671

N.C.E.S. CODES
  18.109900
S.I.C. CODES
  806
KEYWORDS
  APPROVE RESEARCH PROTOCOL
  MONITOR RESEARCH PROGRESS
  RESEARCH EVALUATION
PERSONNEL
  20 RESEARCH PROFESSIONALS

0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: HOSPITAL FACILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS AN EXTENSIVE HEALTH SCIENCES LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

201
CONOCO INC.
DR. FLYNT KENNEDY, DIRECTOR
COAL RESEARCH DIVISION
4000 BROWNSVILLE ROAD
LIBRARY, PA 15129
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-854-6690

N.C.E.S. CODES
14.070000
14.210000
40.050100
S.I.C. CODES
12
299
KEYWORDS
COAL RESEARCH
COAL COMBUSTION
COAL CLEANING
PERSONNEL
56 RESEARCH PROFESSIONALS
16 SUPPORT PROFESSIONALS
39 TECHNICAL STAFF
54 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000000.00

FACILITIES: COAL COMBUSTION TEST UNIT (100 LB/HR), COAL CLEANING PILOT UNITS, COAL ANALYSIS LAB, COAL LIQUEFACTION UNIT

BUILDINGS: LABORATORY, COMBUSTION, COAL BENEFICATION, MAINTENANCE, AND OFFICE BUILDINGS

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH CONOCO CENTRAL RESEARCH IN OKLAHOMA AND DUPONT IN WILMINGTON, DELAWARE

OUTPUTS: N/A

202
CONSAD RESEARCH CORPORATION
DR. WILBUR A. STEGER, DIRECTOR
CONSAD RESEARCH CORPORATION
121 NORTH HIGHLAND AVENUE
PITTSBURGH, PA 15206
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-363-5500

N.C.E.S. CODES
45.060100
45.120100
44.050000
S.I.C. CODES
96
93
892
KEYWORDS
PUBLIC POLICY
REGULATIONS
IMPACT STUDIES
PERSONNEL
10 RESEARCH PROFESSIONALS
20 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

FACILITIES: XEROX MACHINES; DEC COMPUTER, TERMINALS, TELECOPIERS; REPRODUCTION FACILITIES; SOFTWARE PACKAGES (SOME DEVELOPED BY CONSAD)

BUILDINGS: N/A

COLLECTIONS: MAINTAINS AN EXTENSIVE SOCIAL SCIENCE LIBRARY, INCLUDING OVER 200 PERIODICALS, WITH EMPHASIS ON ENERGY, ENVIRONMENT, TRANSPORTATION, PUBLIC ADMINISTRATION, POLICY STUDIES, AND NATURAL RESOURCES

COOPERATIVE ARRANGEMENTS: JOINT DEVELOPMENT AGREEMENTS WITH OTHER FIRMS; EXTENSIVE LIST OF CONSULTANTS IN VARIOUS SUBSTANTIVE AREAS; CONSORTIA AGREEMENTS AND ARRANGEMENTS

OUTPUTS: N/A

203
CONSOLIDATED COAL COMPANY (SUBSIDIARY OF
CONOCO INC.)
FLYNT KENNEDY, DIRECTOR
COAL RESEARCH DIVISION
4000 BROWNSVILLE ROAD
LIBRARY, PA 15129
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-854-6600

N.C.E.S. CODES
40.050400
14.070000
14.130000
S.I.C. CODES
12
11
KEYWORDS
DIRECT COAL UTILIZATION
COAL CONSERVATION
TECH SERVICE
PERSONNEL
63 RESEARCH PROFESSIONALS
9 SUPPORT PROFESSIONALS
76 TECHNICAL STAFF
17 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000000.00

FACILITIES: 1.5MM BTU/HR COMBUSTOR, 25 TON/DAY BRIQUETTER, 700 POUND MOVEABLE WALL TEST OVEN, 250 POUND/DAY CONTINUOUS COAL LIQUIFICATION UNIT, FLOTATION CELL FOR COAL BENEFICATION, SOLE-HEATED OVEN, FLUIDIZED BED COLD MODEL

BUILDINGS: STANDARD RESEARCH LABORATORY BUILDING AND ENVIRONMENTAL QUALITY CONTROL LABORATORY

COLLECTIONS: TECHNICAL LIBRARY WITH AN EMPHASIS ON COAL

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

204
CONSOLIDATED RAIL CORPORATION
J.T. WHATMOUGH, DIRECTOR
MECHANICAL ENGINEERING AND ALTOONA RESEARCH LAB
ROOM 401, 1523 WALNUT STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-893-6274

N.C.E.S. CODES
0
S.I.C. CODES
401
374
KEYWORDS
ENGINEERING ANALYSIS
FREIGHT CAR AND LOCOMOTIVE FLEET DESIGN
MATHEMATICAL MODELING

FACILITIES: ALTOONA LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

205
CONSULTING COMMUNICATIONS ENGINEERS INC.
MR. C. RAYMOND KRAUS, DIRECTOR
CONSULTING COMMUNICATIONS ENGINEERS INC.
845 MT. MORO ROAD
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-525-8445

N.C.E.S. CODES
14.100000
30.030000
S.I.C. CODES
481
489
KEYWORDS
COMMUNICATIONS DESIGN
PERSONNEL
180 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
5 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

206
CONTAINER RESEARCH CORPORATION
W. SWAN, DIRECTOR
CONTAINER RESEARCH CORPORATION
HOLLOW ROAD
GLEN RIDDLE, PA 19037
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-459-2160

N.C.E.S. CODES
14.230000
28.990000
S.I.C. CODES
99
KEYWORDS
NUCLEAR ENGINEERING
MILITARY GROUND SUPPORT EQUIPMENT
NUCLEAR FRESH FUEL CONTAINERS
PERSONNEL
3 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
9 TECHNICAL STAFF

84

4 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: MAINTAINS AN ENGINEERING LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

207
CONTRAVES GOERZ CORP
MR. HOWARD HAVLICSEK, DIRECTOR
BJK R&D GROUP
610 EPSILON DRIVE
PITTSBURGH, PA 15238
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-782-7834

N.C.E.S. CODES
  14.100000
S.I.C. CODES
  99
KEYWORDS
  MOTION CONTROL
  DIGITAL CONTROL
PERSONNEL
  4 RESEARCH PROFESSIONALS
  20 SUPPORT PROFESSIONALS
  20 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

208
COOPER DIAGNOSTICS, INC.
DR. CHARLES NAWROT, DIRECTOR
COOPER DIAGNOSTICS RESEARCH & DEVELOPMENT
27 GREAT VALLEY PARKWAY
MALVERN, PA 19355
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-431-8400

N.C.E.S. CODES
  17.030100
  18.020200
  26.040000
S.I.C. CODES
  99
KEYWORDS
  DIAGNOSTIC MEDICAL DEVELOPMENT
  IMMUNODIAGNOSTIC
PERSONNEL
  10 RESEARCH PROFESSIONALS
  15 SUPPORT PROFESSIONALS
  40 TECHNICAL STAFF
  40 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARIES AT ALL FACILITIES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

209
COOPER MEDICAL CORPORATION - LANGHORNE
TODD J. POLK, DIRECTOR
RESEARCH & DEVELOPMENT
2021 CABOT BOULEVARD WEST
LANGHORNE, PA 19047
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-752-8300

N.C.E.S. CODES
  14.990000
S.I.C. CODES
  384
  383
KEYWORDS
  MEDICAL INSTRUMENTS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

210
COOPERS CREEK CHEMICAL CORP.
ELWOOD ALAN MORRIS, DIRECTOR
RESEARCH AND DEVELOPMENT UNIT
RIVER ROAD
CONSHOHOCKEN, PA 19428
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-828-0375

N.C.E.S. CODES
0
S.I.C. CODES
285
284
KEYWORDS
COAL
TAR
ASPHALT
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: FULLY EQUIPPED COAL, TAR AND ASPHALT LABS

BUILDINGS: PILOT PLANT AND THREE PRODUCTION BUILDINGS

COLLECTIONS: BITUMINOUS COAL, TAR AND ASPHALT LIBRARY

COOPERATIVE ARRANGEMENTS: WITH THREE OTHERS IN SIMILAR INDUSTRY

OUTPUTS: N/A

211
COPPERWELD BIMETALLICS GROUP
M.J. FRASER, DIRECTOR
CBG-TECHNICAL SERVICES
ROBINSON PLAZA TWO, SUITE 305
PITTSBURGH, PA 15205
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-777-3009

N.C.E.S. CODES
0
S.I.C. CODES
335
339
KEYWORDS
BIMETALLIC
WIRE
STRAND
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $5000000.00

FACILITIES: PILOT PROCESS DEVELOPMENT FACILITY, INCLUDING SOLID ROD CLADDING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

212
CRESHEIM
J.E. BARRETT, DIRECTOR
CRESHEIM RESEARCH
BOX 27785, 8300 FLOURTOWN AVENUE
PHILADELPHIA, PA 19118
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-836-1400

N.C.E.S. CODES
6.050000
6.080000
6.090000
S.I.C. CODES
99
KEYWORDS
MARKET RESEARCH
POLICY RESEARCH
PRODUCT DEVELOPMENT
PERSONNEL
6 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY ON TRANSPORTATION, INSURANCE, AND DISTRIBUTION

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH AASRC
FIRMS; BETWEEN COMPANY UNITS

OUTPUTS: N/A

213
CROMPTON & KNOWLES CORPORATION
DR. RUSSEL I. STEINER, DIRECTOR
PROCESS DEVELOPMENT DEPARTMENT, DYES & CHEMICALS DIVISION
P.O. BOX 341, 500 PEAR STREET
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-582-8765

N.C.E.S. CODES
0

S.I.C. CODES
28
286
KEYWORDS
DYES
TEXTILES CHEMICALS
PAPER CHEMICALS
PERSONNEL
13 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $485000.00

FACILITIES: THREE GENERAL LABORATORIES

BUILDINGS: N/A

COLLECTIONS: CENTRAL RESEARCH LIBRARY WITH EMPHASIS ON DYE CHEMISTRY AND ORGANIC CHEMISTRY

COOPERATIVE ARRANGEMENTS: N/A

214
CROMPTON & KNOWLES CORPORATION
DR. JAMES F. FEEMAN, DIRECTOR
R&D DEPARTMENT, DYES & CHEMICALS DIVISION
P.O. BOX 341
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-582-8765

N.C.E.S. CODES
0
S.I.C. CODES
286
289
KEYWORDS
DYES
TEXTILE CHEMICALS
PAPER CHEMICALS
PERSONNEL
10 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
13 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1300000.00

FACILITIES: 15 LABORATORIES; ANALYTICAL LIBRARY CONFERENCE ROOMS; DYE TESTING LABS; AND A PILOT PLANT

BUILDINGS: C SCOTT ALTHOUSE RESEARCH CENTER

COLLECTIONS: SPECIALIZED LIBRARY WITH EMPHASIS ON DYE CHEMISTRY AND ORGANIC CHEMISTRY

COOPERATIVE ARRANGEMENTS. N/A

OUTPUTS: N/A

215
CSS INTERNATIONAL CORPORATION
THOMAS STANOWSKI, DIRECTOR
CSS INTERNATIONAL CORPORATION
4080 FRANKFORD AVENUE
PHILADELPHIA, PA 19124
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-533-6110

N.C.E.S. CODES
14.190000
S.I.C. CODES
344
345
346
KEYWORDS
MACHINE SPECIFICATION
DESIGN ENGINEERING
PERSONNEL
5 RESEARCH PROFESSIONALS
7 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: MACHINE SHOPS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

216
CUSTOM-BILT MACHINERY
HANS G. FALTIN, DIRECTOR
RESEARCH & DEVELOPMENT
419 NORWAY STREET
YORK, PA 17405
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-843-7831

N.C.E.S. CODES
14.190000
14.990000
14.100000
S.I.C. CODES
355
731
KEYWORDS
WEB PRINTING
NEW PRODUCTS
PERSONNEL
5 RESEARCH PROFESSIONALS

5 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $600000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

217
D.B. SCHOLL, INC.
MR. DONALD B. SCHOLL, DIRECTOR
D.B. SCHOLL, INC.
P.O. BOX 297
PAOLI, PA 19301
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-644-2267

N.C.E.S. CODES
6.060000
6.150000
6.160000
S.I.C. CODES
739
899
KEYWORDS
MANAGEMENT TRAINING
MANAGEMENT DEVELOPMENT
ORGANIZATION DEVELOPMENT
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000.00

BUILDINGS: N/A

COLLECTIONS: RESOURCE BOOKS AND MANUALS, RESOURCE FILES, PROGRAM DESIGNS AND MANUALS

COOPERATIVE ARRANGEMENTS: CROSS CONSULTING CONTRACTS, JOINT VENTURES

OUTPUTS: N/A

218
D'APPOLONIA CONSULTING ENGINEERS
DR. DAVID E. TROXELL, DIRECTOR
D'APPOLONIA RESEARCH AND DEVELOPMENT LABORATORY
5103 OLD WILLIAM PENN HIGHWAY
EXPORT, PA 15632
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-327-3030

N.C.E.S. CODES
14.140000
14.150000
14.160000
S.I.C. CODES
162
282
286
KEYWORDS
EARTH MATERIALS
PHYSICAL CHARACTERISTICS
CHEMISTRY
PERSONNEL
10 RESEARCH PROFESSIONALS
30 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: GAS CHROMATOGRAPH/MASS SPEC.; LOW PERMEABILITY TESTING FACILITIES; DYNAMIC MATERIALS BEHAVIOR TESTING FACILITIES

BUILDINGS: N/A

COLLECTIONS: UTILIZES A LIBRARY OF APPROXIMATELY 10000 VOLUMES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

219
DAMASCUS TUBULAR PRODUCTS DIVISION/SHARON
STEEL CORPORATION
E.M. JACOB, DIRECTOR
METALLURGICAL DEPARTMENT
P.O. BOX 71
GREENVILLE, PA 16125
MERCER COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 412-646-1500

N.C.E.S. CODES
6.000000
14.200000
6.140100
S.I.C. CODES
335
344
349
KEYWORDS
NEW ALLOYS
WELDABILITY
ANTI-CORROSIVE

PERSONNEL
  5 RESEARCH PROFESSIONALS
  10 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: TUBULAR PRODUCTS PLANT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

220
DANIEL J. CANTOR & CO., INC.
MR. D. WESTON DARBY, DIRECTOR
RESEARCH OFFICE
SUBURBAN STATION BUILDING
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-563-9646

N.C.E.S. CODES
  6.040000
  6.050000
  22.010000
S.I.C. CODES
  739
  899
  810
KEYWORDS
  LAW OFFICE ECONOMIC SURVEYS
  LAW OFFICE MANAGEMENT CONFERENCES
  LAW OFFICE CONSULTING ENGAGEMENTS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $100000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: TEMPLE UNIVERSITY AND UNIVERSITY OF PENNSYLVANIA

OUTPUTS: N/A

221
DAVID E. WOOSTER AND ASSOCIATES, INC.
DAVID E. WOOSTER, DIRECTOR
DAVID E. WOOSTER AND ASSOCIATES, INC.
66 EAST CRAFTON AVENUE
PITTSBURGH, PA 15205
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-921-3303

N.C.E.S. CODES
  4.030000
  14.990000
S.I.C. CODES
  411
  891
KEYWORDS
  REVISED GEOMETRIC DESIGN STANDARDS
  TRAFFIC AND PARKING GENERATION RATES
PERSONNEL
  3 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: PHOTOGRAPHIC EQUIPMENT, SPEED MEASUREMENT DEVICES, AUTOMATIC TRAFFIC RECORDER EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

222
DELTA DATA SYSTEMS CORPORATION
STAN PEERS, DIRECTOR
ENGINEERING DEPARTMENT
2595 METROPOLITAN DRIVE
TREVOSE, PA 19047
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-322-5400

N.C.E.S. CODES
  14.100000
  14.270000
  14.090000
S.I.C. CODES
  99
KEYWORDS
  ELECTRONIC HARDWARE DESIGN
  SOFTWARE DEVELOPMENT
  INTELLIGENT CRT DEVELOPMENT
PERSONNEL
  15 RESEARCH PROFESSIONALS
  25 SUPPORT PROFESSIONALS
  10 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2500000.00

FACILITIES: MULTIPLE COMPUTERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

223
DENT MFG. INC.
RICHARD D. DENT, DIRECTOR
DENT MFG. INC.
226 WEST 27TH STREET
NORTHAMPTON, PA 18067
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-262-6701

N.C.E.S. CODES
0
S.I.C. CODES
343
KEYWORDS
HARDWARE
MECHANICAL DESIGNS
METAL CLOSURES
PERSONNEL
3 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $125000.00

FACILITIES: FOUNDRY; MACHINE SHOP; POLISHING

SHOP; PROTOTYPE LAB, PLATING LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

224
DESIGN TECHNOLOGY, INC.
PAUL R. GRIMES, DIRECTOR
DESIGN TECHNOLOGY, INC.
7125 SALTSBURG ROAD
PITTSBURGH, PA 15235
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-795-5300

N.C.E.S. CODES
14.190000
14.070000
14.080000
S.I.C. CODES
891
KEYWORDS
DESIGN ENGINEERING
CHEMICAL REACTORS
UNDERWATER LIGHTING SYSTEMS
PERSONNEL
6 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $120000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

225
DESMATICS, INC.
DENNIS S, DIRECTOR
DESMATICS, INC.
P.O. BOX 618
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-9621

N.C.E.S. CODES
27.050000
27.030000
S.I.C. CODES
899
KEYWORDS
STATISTICAL ANALYSIS
DATA ANALYSIS
OPERATIONS RESEARCH
PERSONNEL
8 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

226
DEVELOPMENT DIMENSIONS INTERNATIONAL
DANNY E. HUPP, DIRECTOR
RESEARCH AND DEVELOPMENT
1225 WASHINGTON PIKE, BOX 13379
PITTSBURGH, PA 15243
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-257-0600

N.C.E.S. CODES
  7.050000
  6.010000
  6.060000
S.I.C. CODES
  829
KEYWORDS
  TRAINING
  ASSESSMENT
  HUMAN RESOURCE DEVELOPMENT
PERSONNEL
  8 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $500000.00

FACILITIES: VIDEO AND FILM STUDIO, PRIME COMPUTER, APPLE COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

227
DIAMOND MFG. CO.
GREG WHITE, DIRECTOR
DIAMOND MFG. CO.
BOX 174
WYOMING, PA 18644
LUZERNE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-693-0300

N.C.E.S. CODES
  14.170000
  14.180000
  14.190000
S.I.C. CODES
  346
KEYWORDS
  LUBRICATION OF TOOL AND DIES
  HIGH SPEED DIES FOR STEEL FABRICATION
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00

FACILITIES: TOOL AND DIE MAKING SHOP

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

228
DODGE CORK CO., INC.
DR. JAMES R. JONES, DIRECTOR
DODGE CORK CO., INC.
P.O. BOX 989
LANCASTER, PA 17603
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-299-1141

N.C.E.S. CODES
  0
S.I.C. CODES
  264
  282
  304
KEYWORDS
  POLYMER CHEMISTRY
  ELASTOMERIC MATERIALS
  FORESTRY PRODUCTS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $80000.00

FACILITIES: TWO LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

229
DOUCETTE INDUSTRIES, INC.
PHILIPPE DOUCETTE, DIRECTOR
DOUCETTE INDUSTRIES, INC.
P.O. BOX 1641
YORK, PA 17405

YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-845-8746

N.C.E.S. CODES
11.010000
14.190000
S.I.C. CODES
358
343
KEYWORDS
HEAT TRANSFER
COMPUTER OPTIMIZATION
REFRIGERATION
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $5000.00

FACILITIES: LABORATORY

BUILDINGS: N/A

COLLECTIONS: A LIBRARY OF 100 BOOKS ON MECHANICAL ENGINEERING

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

230
DRAKENFELD COLORS/CIBA-GEIGY
N. WILLIAM WAGAR, DIRECTOR
TECHNICAL DEPARTMENT
WEST WYLIE AVENUE
WASHINGTON, PA 15301
WASHINGTON COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-223-5923

N.C.E.S. CODES
40.050300
14.060000
40.050600
S.I.C. CODES
285
289
322
KEYWORDS
MIXED OXIDE PIGMENTS
GLASS ENAMEL COLORS
COATINGS AND INKS
PERSONNEL
7 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: SPECTROPHOTOMETERS; MEASURE REFLECTANCE IN VISUAL AND NEAR IR; SOFTWARE DEALING WITH COLORIMETRY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

231
DREVER CO.
H.E. RAHN, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
P.O. BOX 98
HUNTINGDON VALLEY, PA 19006
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-947-3400

N.C.E.S. CODES
14.200000
S.I.C. CODES
343
354
KEYWORDS
HEAT TREATING
SINTERING
HEAT RECOVERY
PERSONNEL
1 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

FACILITIES: EXPERIMENTAL FURNACES AND TEST EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SMALL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

232
DREXEL UNIVERSITY
DR. ALAN R. BANDY, DIRECTOR
ATMOSPHERIC CHEMISTRY
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104

PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2640

N.C.E.S. CODES
40.050200
40.050600
40.059900
S.I.C. CODES
99
KEYWORDS
ATMOSPHERE
NITROGEN AND SULPHURIC COMPOUNDS
BACKGROUND ATMOSPHERE
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $205000.00
SOURCES: NATIONAL SCIENCE FOUNDATION, NASA
PAST FUNDING
AVERAGE AMOUNT = $217000.00
SOURCES: NATIONAL SCIENCE FOUNDATION, NASA

FACILITIES: GAS CHROMATOGRAPH, MASS SPECTROMETER, INSTRUMENT FOR SULFUR GAS ANALYSIS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: DESIGN AND CONSTRUCTION FOR SULFUR GAS ANALYSIS USING HIGH ALTITUDE AIRCRAFT; SULFUR GAS ANALYSIS TECHNIQUES FOR USE ON BALLOON PLATFORMS; MEASUREMENT OF CONCENTRATIONS OF ATMOSPHERIC SO-2, OCS, H2S(CH3)2S, CS2; DESIGN OF FLUID EXPERIMENTS FOR EVALUATING THE STRATOSPHERE AND TROPOSPHERE

233
DREXEL UNIVERSITY
DR. JAMES P. FRIEND, DIRECTOR
ATMOSPHERIC CHEMISTRY
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2666

N.C.E.S. CODES
40.050600
40.060300
40.040000
S.I.C. CODES
99
KEYWORDS
ATMOSPHERIC AEROSOLS
SULFUR DIOXIDE
ACID RAIN
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00
SOURCES: NASA
PAST FUNDING
AVERAGE AMOUNT = $185000.00
SOURCES: NASA

FACILITIES: ATMOSPHERIC CHEMISTRY RESEARCH LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ARTICLES IN VARIOUS PROFESSIONAL JOURNALS

234
DREXEL UNIVERSITY
DR. R. MUTHARASAN, DIRECTOR
BIOCHEMICAL ENGINEERING AND PROCESS METALLURGY
DEPARTMENT OF CHEMICAL ENGINEERING
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-328-9542

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
IMMOBILIZED-CELL
FERMENTOR
MELT FILTRATION
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $37000.00
SOURCES: AMERICAN INSTITUTE OF IRON AND STEEL
PAST FUNDING
AVERAGE AMOUNT = $90000.00
SOURCES: AISI, AMMRC, DOE

FACILITIES: WELL DEVELOPED FERMENTATION LAB, ANALYTICAL INSTRUMENTS, EQUIPMENT FOR PRODUCING ULTRA CLEAN CASTINGS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH BETHLEHEM STEEL

OUTPUTS: SEVERAL ARTICLES IN PROFESSIONAL TECHNICAL JOURNALS

235
DREXEL UNIVERSITY
DR. A.W. ADDISON, DIRECTOR
BIOINORGANIC CHEMISTRY
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2646

N.C.E.S. CODES
40.059900
40.050300
26.020000
S.I.C. CODES
289
892
201
KEYWORDS
BLOOD
METALLOPROTEIN
COPPER
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
5 SUPPORT STAFF

FACILITIES: ELECTROCHEMISTRY EQUIPMENT, ELECTROPHORESIS EQUIPMENT, ELECTRON SPIN RESONANCE SPECTROMETER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: U.S. DEPARTMENT OF AGRICULTURE AND E.R.R.C, PHILADELPHIA

OUTPUTS: RESEARCH REPORTS AND PAPERS

236
DREXEL UNIVERSITY
DR. RICHARD E. SPEECE, DIRECTOR
BIOLOGICAL WASTEWATER TREATMENT LABORATORY
THE ENVIRONMENTAL STUDIES INSTITUTE
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2267

N.C.E.S. CODES
14.140000
26.050000
40.059900
S.I.C. CODES
99
KEYWORDS
WASTEWATER TREATMENT
ANAEROBIC DIGESTION
TOXIC MATERIAL EFFECTS
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $140000.00
SOURCES: U.S. ENVIRONMENTAL PROTECTION AGENCY, SOLAR ENERGY RESEARCH INSTITUTE
PAST FUNDING
AVERAGE AMOUNT = $120000.00
SOURCES: U.S. ENVIRONMENTAL PROTECTION AGENCY, SOLAR ENERGY RESEARCH INSTITUTE

FACILITIES: ANAEROBIC DIGESTERS WITH PH AND TEMPERATURE CONTROLS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

237
DREXEL UNIVERSITY
DR. DOV JARON, DIRECTOR
BIOMEDICAL ENGINEERING & SCIENCE INSTITUTE
COMMONWEALTH HALL 7-725
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2215

N.C.E.S. CODES
14.050000
30.030000
S.I.C. CODES
99
KEYWORDS
MEDICAL ULTRASOUND
SIGNAL PROCESSING
BIOINSTRUMENTATION
PERSONNEL
21 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
25 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $700000.00
SOURCES: FEDERAL AND PRIVATE FUNDING
PAST FUNDING
AVERAGE AMOUNT = $350000.00

SOURCES: FEDERAL AND PRIVATE FUNDING

FACILITIES: ANIMAL SURGERY LAB, ANIMAL HOLDING FACILITIES, CARDIOVASCULAR RESEARCH LAB, BIOMATERIALS LAB, ELECTRODES LAB, NUMEROUS ULTRASOUND LABORATORIES, INSTRUMENTATION LABORATORY, BIOMEDICAL IMAGE PROCESSING LABORATORIES, NUMEROUS MINICOMPUTER SYSTEMS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH LOCAL HOSPITALS

OUTPUTS: OVER 50 PUBLICATIONS IN PROFESSIONAL JOURNALS

238
DREXEL UNIVERSITY
DR. HARRY L. BROWN, DIRECTOR
BUILDING SYSTEMS PROGRAM
32ND AND CHESTNUT
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2237

N.C.E.S. CODES
  14.040000
  14.080000
  14.180000
S.I.C. CODES
  99
KEYWORDS
  BUILDINGS
  INSULATION
  BUILDING SYSTEMS
PERSONNEL
  6 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $82000.00
  SOURCES: PENNSYLVANIA SCIENCE AND ENGINEERING FOUNDATION; DREXEL UNIVERSITY; ARCO; CERTAINTEED; PHILADELPHIA ELECTRIC; DUPONT
PAST FUNDING
  AVERAGE AMOUNT = $25000.00
  SOURCES: DREXEL UNIVERSITY; DUPONT

FACILITIES: INSULATION MEASUREMENT FACILITIES, IBM/PRIME/VAX COMPUTER SYSTEM, ENGINEERING LABS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

239
DREXEL UNIVERSITY
DR. XENOPHON VERYKIOS, DIRECTOR
CATALYTIC EPOXIDATION OF ETHYLENE
DEPARTMENT OF CHEMICAL ENGINEERING
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2263

N.C.E.S. CODES
  0
S.I.C. CODES
  99
KEYWORDS
  HETEROGENOUS CATALYSIS
  ETHYLENE OXIDE
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $60000.00
PAST FUNDING
  AVERAGE AMOUNT = $50000.00
  SOURCES: NSF

FACILITIES: REACTOR SYSTEMS, HIGH VACUUM APPARATUS, CATALYSIS LABORATORY, AND A SURFACE CHARACTERIZATION LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL PUBLICATIONS

240
DREXEL UNIVERSITY
PROFESSOR ROGER D. CORNELIUSSEN, DIRECTOR
CENTER FOR INSULATION TECHNOLOGY
MATERIALS ENGINEERING DEPARTMENT
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2324

N.C.E.S. CODES
  14.120000
  14.180000
  30.030000
S.I.C. CODES
  282
  295
  307

KEYWORDS
  STRUCTURAL TESTING
  INSULATION
  INSULATION DATA
PERSONNEL
  3 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00
  SOURCES: ARCO CHEMICAL COMPANY, CERTAINTEED CORPORATION
PAST FUNDING
  AVERAGE AMOUNT = $100000.00
  SOURCES: ARCO CHEMICAL COMPANY

FACILITIES: INSULATION MOISTURE TESTING LAB, ROOF INSULATION TESTING LAB, SOLAR PANEL TESTING FACILITY

BUILDINGS: N/A

COLLECTIONS: LARGE COLLECTION OF BOOKS, REPORTS, AND PERIODICALS PERTAINING TO INSULATION MATERIALS AND ENERGY EFFICIENCY

COOPERATIVE ARRANGEMENTS: JOINT EDUCATIONAL CONFERENCES FOR PRACTICING PROFESSIONALS WITH THE NATIONAL BUREAU OF STANDARDS AND THE DEPARTMENT OF ENERGY

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

241
DREXEL UNIVERSITY
DR. ALLAN L. SMITH, DIRECTOR
CHEMICAL PHYSICS & PHYSICAL CHEMISTRY
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2667

N.C.E.S. CODES
  40.050600
  40.080200
  40.040000
S.I.C. CODES
  99
KEYWORDS
  LASER SPECTROSCOPY
  PHOTOCHEMISTRY
  CHEMICAL OSCILLATIONS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $78333.00
  SOURCES: NATIONAL SCIENCE FOUNDATION, DREXEL UNIVERSITY
PAST FUNDING
  AVERAGE AMOUNT = $78000.00
  SOURCES: NATIONAL SCIENCE FOUNDATION, DREXEL UNIVERSITY

FACILITIES: VARIOUS LASERS, PDP/11 COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: REGIONAL LASER LAB AT THE UNIVERSITY OF PENNSYLVANIA, THE JET PROPULSION LAB, THE UNIVERSITY OF CAIRO

OUTPUTS: RESEARCH REPORTS AND PAPERS

242
DREXEL UNIVERSITY
DR. JAMES G. KAY, DIRECTOR
CHEMICAL PHYSICS, INORGANIC & PHYSICAL CHEMISTRY
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2638

N.C.E.S. CODES
  40.050600
  40.080200
  40.080800
S.I.C. CODES
  99
KEYWORDS
  SPECTROSCOPY
  HIGH TEMPERATURE CHEMISTRY
  HIGH ATOM CHEMISTRY
PERSONNEL
  3 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $10000.00
  SOURCES: ARGONNE NATIONAL LABORATORY, DREXEL UNIVERSITY
PAST FUNDING
  AVERAGE AMOUNT = $10000.00
  SOURCES: DREXEL UNIVERSITY

FACILITIES: 3.4M. EBERT SPECTROGRAPH (HARRISON GRATING)

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: EASTERN REGIONAL LABS, BRYN MAWR COLLEGE, ARGONNE NATIONAL LABORATORY,

CAIRO UNIVERSITY

OUTPUTS: RESEARCH REPORTS AND PAPERS

243
DREXEL UNIVERSITY
DR. MIRAT D. GUROL, DIRECTOR
CHEMICAL WATER-WASTE TREATMENT LABORATORY
THE ENVIRONMENTAL STUDIES INSTITUTE
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2271

N.C.E.S. CODES
  14.140000
  14.070000
  40.050100
S.I.C. CODES
  99
KEYWORDS
  TOXIC MATERIAL REACTIONS
  OXIDANTS REACTIONS
  WASTEWATER
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $115000.00
  SOURCES: ENVIRONMENTAL PROTECTION AGENCY,
    NATIONAL SCIENCE FOUNDATION

FACILITIES: REACTORS FOR FAST CHEMICAL KINETICS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

244
DREXEL UNIVERSITY
DR. FRANKLIN A. DAVIS, DIRECTOR
CHEMISTRY
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2647

N.C.E.S. CODES
  40.050400
S.I.C. CODES
  99
KEYWORDS
  SULFUR
  ORGANIC CHEMISTRY
  PYROLYSIS
PERSONNEL
  6 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00
  SOURCES: NATIONAL SCIENCE FOUNDATION
PAST FUNDING
  AVERAGE AMOUNT = $57000.00
  SOURCES: NATIONAL SCIENCE FOUNDATION, PRF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 15 RESEARCH REPORTS AND PAPERS

245
DREXEL UNIVERSITY
DR. DONALD C. THORNTON, DIRECTOR
CHEMISTRY
DEPARTMENT OF CHEMISTRY
PHILDELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2567

N.C.E.S. CODES
  40.050200
S.I.C. CODES
  99
KEYWORDS
  OZONE MEASUREMENT
  ELECTROCHEMISTRY
  ATMOSPHERIC CHEMISTRY
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $15000.00
  SOURCES: NASA
PAST FUNDING
  AVERAGE AMOUNT = $15000.00
  SOURCES: NASA

FACILITIES: POTENTIOSTAT/GALYANOSTAT/COULOMETER; ION CHROMATOGRAPH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

246
DREXEL UNIVERSITY
DR. I. SUFFET, DIRECTOR
CHEMISTRY
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2270

N.C.E.S. CODES
40.050200
40.060200
S.I.C. CODES
99
KEYWORDS
POLLUTION CONTROL
LIQUID EXTRACTION
ANALYTICAL CHEMISTRY METHODS
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $155000.00
SOURCES: ENVIRONMENTAL PROTECTION AGENCY, DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR THE STATE OF NEW JERSEY
PAST FUNDING
AVERAGE AMOUNT = $385000.00
SOURCES: STATE OF NEW JERSEY, THE CITY OF PHILADELPHIA, ENVIRONMENTAL PROTECTION AGENCY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

24.
DREXEL UNIVERSITY
DR. SHORTIE BLANKENSHIP, DIRECTOR
CLINICAL NUTRITION
32ND AND CHESTNUT
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2418

N.C.E.S. CODES
19.050300
26.060800
18.100800
S.I.C. CODES
99
KEYWORDS
NUTRITION COUNSELING
THERAPEUTIC NUTRITION
DIETARY COMPLIANCE
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

248
DREXEL UNIVERSITY
DR. F.R. LONGO, DIRECTOR
DEPARTMENT OF CHEMISTRY
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2653

N.C.E.S. CODES
40.020000
S.I.C. CODES
99
KEYWORDS
PORPHYRINE
CORROSION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $20000.00
SOURCES: NAVAL AIR DEVELOPMENT
PAST FUNDING
AVERAGE AMOUNT = $20000.00
SOURCES: NAVAL AIR DEVELOPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PROGRESS REPORTS, RESEARCH PAPERS

98

249
DREXEL UNIVERSITY
DR. I.H. SUFFET, DIRECTOR
ENVIRONMENTAL CHEMISTRY LABORATORY
THE ENVIRONMENTAL STUDIES LABORATORY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2270

N.C.E.S. CODES
14.140000
40.050200
40.050600
S.I.C. CODES
99
KEYWORDS
WATER ANALYSIS
POLLUTION
CARBON-14 TRACER STUDIES
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $180000.00
SOURCES: U.S. ENVIRONMENTAL PROTECTION AGENCY; NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
PAST FUNDING
AVERAGE AMOUNT = $220000.00
SOURCES: U.S. ENVIRONMENTAL PROTECTION AGENCY; NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

FACILITIES: GAS CHROMATOGRAPHY, MASS SPECTROMETRY, MACRORECTANGULAR RESIN APPARATUS, SCINTILLATION COUNTER

BUILDINGS: SPECIAL FACILITIES FOR WORKING WITH TOXIC AND HAZARDOUS WASTE

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: SEVERAL WITH LOCAL INDUSTRIES AND WATER COMPANIES

OUTPUTS: SEVERAL PROFESSIONAL PUBLICATIONS

250
DREXEL UNIVERSITY
DR. WESLEY O. PIPES, DIRECTOR
ENVIRONMENTAL MICROBIOLOGY LABORATORY
DEPARTMENT OF BIOLOGICAL SCIENCES
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2631

N.C.E.S. CODES
26.050000
26.060300
14.140000
S.I.C. CODES
99
KEYWORDS
MICROBIOLOGY
TOXIC MATERIALS
WASTEWATER TREATMENT
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: LABORATORY FOR BIOLOGICAL STUDIES

BUILDINGS: N/A

COLLECTIONS: CULTURE COLLECTIONS OF FILAMENTOUS ORGANISMS FROM ACTIVATED SLUDGE PROCESSES; ACTINOMYCETES WHICH DEGRADE SEVERAL TOXIC MATERIALS; COLIFORMS AND OTHER BACTERIA FROM WATER DISTRIBUTION SYSTEMS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

251
DREXEL UNIVERSITY
DR. YAKIR HASIT, DIRECTOR
ENVIRONMENTAL SYSTEM LABORATORIES
THE ENVIRONMENTAL STUDIES INSTITUTE
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2281

N.C.E.S. CODES
14.140000
14.270000
14.080000
S.I.C. CODES
99
KEYWORDS
WASTE DISPOSAL
HAZARDOUS WASTES
ENVIRONMENTAL SYSTEMS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $48000.00
SOURCES: NATIONAL SCIENCE FOUNDATION

FACILITIES: COMPUTERS AND DATA BONDS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PROFESSIONAL PUBLICATIONS

252
DREXEL UNIVERSITY
DR. THOMSEN J. HANSEN, DIRECTOR
FOOD CHEMISTRY AND TOXICOLOGY LAB
DEPARTMENT OF NUTRITION AND FOOD SCIENCES
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2428

N.C.E.S. CODES
26.060900
19.050200
S.I.C. CODES
209
20
KEYWORDS
FOOD TOXICOLOGY
MUTAGEN ACTIVATION
FOOD CHEMISTRY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $17000.00
SOURCES: PENNSYLVANIA MANUFACTURING CONFECTIONERS ASSOCIATION; DREXEL UNIVERSITY; EASTERN REGIONAL RESEARCH CENTER
PAST FUNDING
AVERAGE AMOUNT = $15000.00
SOURCES: PENNSYLVANIA MANUFACTURING CONFECTIONERS ASSOCIATION; DREXEL UNIVERSITY; EASTERN REGIONAL RESEARCH CENTER

FACILITIES: ANALYTICAL LAB, ANIMAL CARE FACILITIES, MICROBIOLOGY LABS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: EASTERN REGIONAL RESEARCH CENTER

OUTPUTS: RESEARCH REPORTS AND PAPERS

253
DREXEL UNIVERSITY
DR. HARRY L. BROWN, DIRECTOR
INDUSTRIAL ENERGY PROGRAM
32ND AND CHESTNUT
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2237

N.C.E.S. CODES
11.010000
11.050000
14.170000
S.I.C. CODES
99
KEYWORDS
INDUSTRIAL MANUFACTURING PROCESS
INDUSTRIAL ENERGY
INDUSTRIAL ENERGY CONSERVATION
PERSONNEL
4 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: DEPARTMENT OF DEFENSE, U.S. NAVY
PAST FUNDING
AVERAGE AMOUNT = $2000000.00
SOURCES: DEPARTMENT OF ENERGY, NATIONAL SCIENCE FOUNDATION, ARCO, WESTINGHOUSE

FACILITIES: IBM/PRIME/VAX COMPUTER SYSTEMS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

254
DREXEL UNIVERSITY
PROFESSOR LESTER LEVIN, DIRECTOR
INDUSTRIAL HYGIENE AND TOXICOLOGY LABORATORY
THE ENVIRONMENTAL STUDIES INSTITUTE
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2272

N.C.E.S. CODES
14.140000
26.061200
26.070600
S.I.C. CODES
99
KEYWORDS
INHALATION PHYSIOLOGY

TOXIC MATERIALS EFFECTS
JOB EXPOSURE
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $45000.00
SOURCES: ROHM & HAAS, INC.; MOBIL FOUNDATION; ALLIED FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $20000.00
SOURCES: MOBIL FOUNDATION, ALLIED FOUNDATION

FACILITIES: INHALATION APPARATUS; SPECIALIZED APPARATUS FOR MEASURING ATMOSPHERIC CONCENTRATIONS OF VARIOUS SUBSTANCES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PROFESSIONAL PUBLICATIONS

255
DREXEL UNIVERSITY
DR. AMAR NATH, DIRECTOR
LABORATORIES IN THE CHEMISTRY DEPARTMENT
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2648

N.C.E.S. CODES
40.050600
26.020000
40.080800
S.I.C. CODES
99
KEYWORDS
VITAMIN B-12
ASBESTOS
PHOTO-CATALYSIS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
4 SUPPORT STAFF

FACILITIES: MOSSBAUER SPECTROMETER WITH CRYOGENICS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

256
DREXEL UNIVERSITY
DR. WILLIAM R. NES, DIRECTOR
LIPID RESEARCH UNIT
DEPARTMENT OF BIOLOGICAL SCIENCES
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2627

N.C.E.S. CODES
26.020000
26.040000
S.I.C. CODES
99
KEYWORDS
ANALYTICAL BIOCHEMISTRY METHODOLOGY
UNIQUE BIOCHEMICAL MOLECULES
STEROLS AND OTHE LIPIDS
PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $230000.00
SOURCES: NATIONAL INSTITUTE OF HEALTH, NATIONAL SCIENCE FOUNDATION, MARTIN-MARIETTA

FACILITIES: HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, GAS LIQUID CHROMATOGRAPHY, ELECTROPHORESIS, MASS SPECTROMETRY, NUCLEAR MAGNETIC RESONANCE SPECTROMETRY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER THIRTY PUBLICATIONS; UNIQUE BIOMEDICAL MOLECULES

257
DREXEL UNIVERSITY
DR. D. APELIAN, DIRECTOR
MATERIALS PROCESSING
ROOM 4-273F
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2327

N.C.E.S. CODES
  14.180000
  14.200000
  40.080500
S.I.C. CODES
  332
  336
  339
KEYWORDS
  SOLIDIFICATION PROCESSING
  PLASMA PROCESSING OF MATERIALS
  MANUFACTURING TECHNOLOGY
PERSONNEL
  6 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  11 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $600000.00
  SOURCES: NASA, AISI, GE/DARPA, ONR, AFOSR
PAST FUNDING
  AVERAGE AMOUNT = $575000.00
  SOURCES: NASA, AMMRC, AISI, GE/DARPA

FACILITIES: SOLIDIFICATION PROCESSING LABORATORY, POWDER METALLURGY LABORATORY, DEFORMATION PROCESSING LABORATORY, POLYMER PROCESSING LABORATORY, STRUCTURAL ANALYSIS FACILITIES, MECHANICAL PROPERTY MEASUREMENT FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH SEVERAL INDUSTRIES; ALCOA, LUKENS STEEL, BETHLEHEM STEEL, GENERAL ELECTRIC R&D

OUTPUTS: OVER 45 PROFESSIONAL PAPERS AND JOURNAL ARTICLES, OVER 60 TECHNICAL PRESENTATIONS AND ADDRESSES

258
DREXEL UNIVERSITY
DR. R.M. KOERNER, DIRECTOR
MICROWAVE DETECTION OF SUBSURFACE ANOMOLIES
DEPARTMENT OF CIVIL ENGINEERING
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2343

N.C.E.S. CODES
  16.161000
  16.162000
S.I.C. CODES
  161
  162
KEYWORDS
  MICROWAVE
  RADAR
  SUBSURFACE DETAIL
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $10000.00
  SOURCES: U.S. ENVIRONMENTAL PROTECTION AGENCY
PAST FUNDING
  AVERAGE AMOUNT = $30000.00
  SOURCES: U.S. ENVIRONMENTAL PROTECTION AGENCY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

259
DREXEL UNIVERSITY
DR. PETER A. WADE, DIRECTOR
ORGANIC CHEMISTRY RESEARCH LAB
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2652

N.C.E.S. CODES
  40.050000
  40.050400
S.I.C. CODES
  99
KEYWORDS
  CYCLOADDITION REACTIONS
  MECHANISTIC AND SYNTHETIC ORGANIC CHEMISTRY
  NATURAL PRODUCT SYNTHESIS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $100000.00
  SOURCES: NCI
PAST FUNDING
  AVERAGE AMOUNT = $100000.00
  SOURCES: NCI

FACILITIES: ORGANIC CHEMISTRY LABS PLUS NMR, IR, GC-MS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

260
DREXEL UNIVERSITY
DR. ROBERT O. HUTCHINS, DIRECTOR
ORGANIC CHEMISTRY RESEARCH LAB
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2644

N.C.E.S. CODES
  40.050000
  40.050400
S.I.C. CODES
  99
KEYWORDS
  METAL HYDRIDE CHEMISTRY
  SYNTHETIC METHODOLOGY
  STEREOCHEMISTRY
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $42500.00
  SOURCES: NATIONAL SCIENCE FOUNDATION, DREXEL UNIVERSITY
PAST FUNDING
  AVERAGE AMOUNT = $37500.00
  SOURCES: NATIONAL SCIENCE FOUNDATION, DREXEL UNIVERSITY

FACILITIES: ORGANIC CHEMISTRY LABS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 15 RESEARCH PUBLICATIONS

261
DREXEL UNIVERSITY
DR. R.M. KOENER, DIRECTOR
PASSIVE ULTRASONICS (ACOUSTIC EMISSION) DETECTION OF STRESS HISTORY IN SOIL AND ROCK
DEPARTMENT OF CIVIL ENGINEERING
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2343

N.C.E.S. CODES
  16.162000
S.I.C. CODES
  162
KEYWORDS
  ACOUSTIC EMISSION
  STRESS HISTORY
  SOIL AND ROCK
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00
  SOURCES: ARMY RESEARCH, RESEARCH TRIANGLE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

262
DREXEL UNIVERSITY
DR. RAYMOND MACKAY, DIRECTOR
PHYSICAL CHEMISTRY
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2642

N.C.E.S. CODES
  40.050000
S.I.C. CODES
  28
  284
KEYWORDS
  MICROEMULSIONS
  AEROSOLS
  SOLAR CELLS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $44447.00
  SOURCES: U.S. ARMY RESEARCH OFFICE, NATIONAL SCIENCE FOUNDATION, DEPARTMENT OF DEFENSE
PAST FUNDING
  AVERAGE AMOUNT = $74667.00
  SOURCES: U.S. ARMY RESEARCH OFFICE, DEPARTMENT OF DEFENSE

FACILITIES: LASER FLASH PHOTOLYSIS UNIT, AEROSOL GENERATOR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 10 RESEARCH REPORTS AND PAPERS

263
DREXEL UNIVERSITY
DR. FRANK D. BLUM, DIRECTOR
POLYMER SOLVENT INTERACTIONS
DEPARTMENT OF CHEMISTRY
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2650

N.C.E.S. CODES
40.059900
40.050600
S.I.C. CODES
28
282
285
KEYWORDS
POLYMERS
COATINGS
SOLVENTS
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $17500.00
SOURCES: AMERICAN CHEMICAL SOCIETY, COTTREL RESEARCH CORPORATION
PAST FUNDING
AVERAGE AMOUNT = $3000.00
SOURCES: DREXEL UNIVERSITY

FACILITIES: NUCLEAR MAGNETIC RESONANCE SPECTROMETER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 10 RESEARCH REPORTS AND PAPERS

264
DREXEL UNIVERSITY
DR. DOREEN STEG, DIRECTOR
SELF CONTROLLED INTERACTIVE LEARNING SYSTEMS
DEPARTMENT OF HUMAN BEHAVIOR AND DEVELOPMENT
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2407

N.C.E.S. CODES
6.060000
19.030000
19.040000
S.I.C. CODES
832
83
KEYWORDS
EDUCATIONAL TECHNOLOGY
PRESCHOOL CHILDREN
READING AND MATHEMATICS SKILLS
PERSONNEL
2 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4000.00
SOURCES: VAN LEER FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $2500.00
SOURCES: FELS FOUNDATION

FACILITIES: COMPUTERIZED TYPEWRITER, "TALKING PAGE", "VOICE MIRROR"

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: TEMPLE UNIVERSITY (DR. MATTLEMAN); PHILADELPHIA BOARD OF EDUCATION (DR. KEAN)

OUTPUTS: RESEARCH REPORTS AND PAPERS

265
DREXEL UNIVERSITY
DR. MARTHA TAYLOR, DIRECTOR
TRACE MINERAL LABORATORY
DEPARTMENT OF NUTRITION AND FOOD SCIENCE
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2428

N.C.E.S. CODES
26.060900
18.101900
42.070000
S.I.C. CODES
99
KEYWORDS
TRACE MINERALS
NUTRITIONAL STATUS
NUTRITION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF

CURRENT FUNDING
AVERAGE AMOUNT = $2000.00
SOURCES: DREXEL UNIVERSITY FACULTY DEVELOPMENT MINI-GRANT

FACILITIES: ANIMAL LABORATORY, RESEARCH LABS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: JEFFERSON UNIVERSITY HOSPITAL, PHILADELPHIA REGIONAL PEDIACTRIC PULMONARY DISEASE PROJECT, AND THE UNIVERSITY OF PENNSYLVANIA RHEUMATOID ARTHRITIS CLINIC

OUTPUTS: N/A

266
DREXEL UNIVERSITY
DR. YOUNG H. LEE, DIRECTOR
TRANSPORT PHENOMENA IN BIOCHEMICAL ENGINEERING
DEPARTMENT OF CHEMICAL ENGINEERING
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-895-2231

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
AERATION
BIOCHEMICAL REACTOR
GAS ABSORPTION
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
0 SUPPORT STAFF
PAST FUNDING
AVERAGE AMOUNT = $17000.00
SOURCES: NSF

FACILITIES: GAS ABSORPTION CELLS, BUBBLE COLUMNS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NSF REPORT

267
DUPONT BERG ELECTRONICS
H.K. MUELLER, DIRECTOR
DUPONT BERG ELECTRONICS
30 HUNTER LANE
CAMP HILL, PA 17011
CUMBERLAND COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-975-2004

N.C.E.S. CODES
14.100000
14.190000
14.180000
S.I.C. CODES
367
KEYWORDS
ELECTRONIC CONNECTORS
PERSONNEL
20 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

268
DUQUESNE UNIVERSITY
DR. DAVID W. SEYBERT, DIRECTOR
BIOCHEMISTRY
DEPARTMENT OF CHEMISTRY
PITTSBURGH, PA 15282
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-6340

N.C.E.S. CODES
26.020000
S.I.C. CODES
28
289
KEYWORDS
CYTOCHROME P.450
ADRENAL CORTEX
HUMAN PLACENTA
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $61000.00
SOURCES: NIGMS
PAST FUNDING
AVERAGE AMOUNT = $84800.00
SOURCES: NIGMS; HRSF

FACILITIES: VARIAN 210 UV-VISIBLE SPECTR. INTERFACED TO APPLE II MICROCOMPUTER, CENTRIFUGE, ULTRACENTRIFUGE, SPECTROFLUOROMETER, HOMOGENIZOR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

269
DUQUESNE UNIVERSITY
DR. N.C. LI, DIRECTOR
COAL CHEMISTRY
DEPARTMENT OF CHEMISTRY
PITTSBURGH, PA 15282
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-6336

N.C.E.S. CODES
  40.050600
S.I.C. CODES
  28
  289
KEYWORDS
  JET FUEL
  DIESEL FUEL
  COAL LIQUID
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $260330.00
  SOURCES: DEPARTMENT OF ENERGY

FACILITIES: NMR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: QUARTERLY REPORTS, RESEARCH PUBLICATIONS

270
DUQUESNE UNIVERSITY
DR. HOWARD EHRLICH, DIRECTOR
DEPARTMENT OF BIOLOGICAL SCIENCES
DEPARTMENT OF BIOLOGICAL SCIENCES
PITTSBURGH, PA 15282
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-6332

N.C.E.S. CODES
  26.030300
  26.050000
  26.070600
S.I.C. CODES
  99
KEYWORDS
  BIOLOGY
  ANIMAL GENERAL AND REPRODUCTIVE PHYSIOLOGY
  BEHAVIORAL ECOLOGY
PERSONNEL
  6 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $11500.00
  SOURCES:
PAST FUNDING
  AVERAGE AMOUNT = $30000.00
  SOURCES: NATIONAL SCIENCE FOUNDATION AND
    NATIONAL INSTITUTE OF HEALTH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS

271
DUQUESNE UNIVERSITY
DR. JACK W. HAUSSER, DIRECTOR
DEPARTMENT OF CHEMISTRY
DEPARTMENT OF CHEMISTRY
PITTSBURGH, PA 15282
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-6340

N.C.E.S. CODES
  40.050400
S.I.C. CODES
  28
  289
KEYWORDS
  ORGANIC REACTION MECHANISMS
  SOLVOLYSIS
  CYCLOPROPYL DERIVATIVES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

272
DUQUESNE UNIVERSITY
DR. OMAR W. STEWARD, DIRECTOR
DEPARTMENT OF CHEMISTRY
DEPARTMENT OF CHEMISTRY
PITTSBURGH, PA 15282
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-6340

N.C.E.S. CODES
40.050300
S.I.C. CODES
28
289
KEYWORDS
CHEMICAL INFORMATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH A STRUCTURAL RESEARCHER IN THE PHYSICS DEPARTMENT AT DUQUESNE UNIVERSITY, AND A MAGNETIC RESEARCHER AT THE AICHI PREFECTURAL UNIVERSITY IN NAGOYA, JAPAN

OUTPUTS: N/A

273
DUQUESNE UNIVERSITY
DR. GANGJEE, DIRECTOR
MEDICINAL CHEMISTRY
SCHOOL OF PHARMACY
PITTSBURGH, PA 15282
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-6070

N.C.E.S. CODES
18.140000
S.I.C. CODES
28
283
KEYWORDS
MEDICINAL CHEMISTRY
SYNTHESIS
DRUGS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $7700.00
SOURCES: WEST PENN HEART ASSOCIATION
PAST FUNDING
AVERAGE AMOUNT = $10000.00
SOURCES: HEALTH RESEARCH AND SERVICES FOUNDATION

FACILITIES: IR, NMR, UV

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: SUNY AT BUFFALO, UNIVERSITY OF PITTSBURGH

OUTPUTS: AUTIFOLATE

274
DUQUESNE UNIVERSITY
DR. LAWRENCE H. BLOCK, DIRECTOR
PHARMACEUTICS RESEARCH LABORATORIES
SCHOOL OF PHARMACY
PITTSBURGH, PA 15282
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-6362

N.C.E.S. CODES
18.090000
18.140000
18.230000
S.I.C. CODES
283
892
KEYWORDS
BIOPHARMACEUTICS
PHARMACOKINETICS
PHARMACODYNAMICS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
25 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $14200.00
SOURCES: AMERICAN HEART ASSOCIATION, NATIONAL PHARMACEUTICAL COUNCIL
PAST FUNDING
AVERAGE AMOUNT = $2800.00
SOURCES: REID-PROVIDENT LABORATORIES

FACILITIES: MANUFACTURING PHARMACY LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

107

OUTPUTS: NUMEROUS PUBLICATIONS

275
DUQUESNE UNIVERSITY
DR. JOHN B. GREENSHIELD, DIRECTOR
PHYSICAL CHEMISTRY
DEPARTMENT OF CHEMISTRY
PITTSBURGH, PA 15282
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-6344

N.C.E.S. CODES
40.050600
S.I.C. CODES
28
289
KEYWORDS
QUANTUM CHEMISTRY
EXCITED STATES
CHEMICAL BONDING
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: UNIVAC 1100/61 COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH PUBLICATIONS

276
DUQUESNE UNIVERSITY
DR. CHESTER A. JURCZAK, DIRECTOR
SOCIOLOGY DEPARTMENT
SOCIOLOGY DEPARTMENT
PITTSBURGH, PA 15282
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-6490

N.C.E.S. CODES
45.110100
44.070000
S.I.C. CODES
899
KEYWORDS
GERENTOLOGY
HUMAN SERVICES AND SOCIAL WORK
CRIMINAL JUSTICE
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
2 SUPPORT STAFF
PAST FUNDING
AVERAGE AMOUNT = $5000.00
SOURCES: FALK FOUNDATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

277
DURALOY BLAW-KNOX
MALCOLM BLAIR, DIRECTOR
TECHNICAL DEPARTMENT
P.O. BOX 81, BRIDGE STREET
SCOTTDALE, PA 15683
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-887-5100

N.C.E.S. CODES
40.070100
S.I.C. CODES
332
349
KEYWORDS
ALLOY DEVELOPMENT
HIGH ALLOY CASTINGS
IMPROVED CORROSION AND HOT STRENGTH
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

FACILITIES: TEN STRESS RUPTURE MACHINES; SPECTROGRAPHIC, INDUCTION COUPLED PLASMA AND X-RAY ANALYTIC EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

278
DYETS, INC.
DR. E.A. ULMAN, DIRECTOR
DYETS, INC.
2005 WILLOW PARK ROAD
BETHLEHEM, PA 18017

NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-868-7701

N.C.E.S. CODES
2.020400
S.I.C. CODES
75
KEYWORDS
ANIMAL DIETS
ANIMAL NUTRITION
PURIFIED DIETS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $180000.00

FACILITIES: FOOD MIXERS, PELLETIZING MILLS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

279
DYMAX CORPORATION
MR. TERRANCE MATZUK, DIRECTOR
DYMAX CORPORATION
136 GAMMA DRIVE
PITTSBURGH, PA 15238
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-963-6884

N.C.E.S. CODES
14.050000
17.021200
17.021000
S.I.C. CODES
384
38[illegible]
KEYWORDS
TRANSDUCERS
IMAGING SYSTEMS
ULTRASOUND
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

280
DYNAMET, INC.
A.L. DONLEVY, DIRECTOR
DYNAMET, INC. R&D
195 MUSEUM ROAD
WASHINGTON, PA 15301
WASHINGTON COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-228-1000

N.C.E.S. CODES
14.180000
14.200000
S.I.C. CODES
335
349
384
KEYWORDS
POWDER METALLURGY
FABRICATION TECHNOLOGY
PRODUCT DEVELOPMENT
PERSONNEL
4 RESEARCH PROFESSIONALS
7 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: METAL FABRICATION EQUIPMENT - DRAWING, ROLLING, AND PRESSING

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

281
E.F. HOUGHTON & COMPANY
MR. B. MITCHEL ROBIN, DIRECTOR
NEW PRODUCT DEVELOPMENT
MADISON & VAN BUREN AVENUES
VALLEY FORGE, PA 19481
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-666-4102

N.C.E.S. CODES
40.050400
40.050600

S.I.C. CODES
286
289
KEYWORDS
FUNCTIONAL FLUIDS
LUBRICANTS
PAPER PROCESSING AIDS
PERSONNEL
27 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
23 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

282
E.I. DU PONT DE NEMOURS & COMPANY, INC.
R.G. HIRSCH, DIRECTOR
CENTRAL RESEARCH AND DEVELOPMENT
N/A
WILMINGTON, DE 19898
COUNTY
DEVELOPMENT REGION
PHONE: N/A

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
N/A

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

283
E.L. CONWELL & CO.
W.E. CAPPER, DIRECTOR
E.L. CONWELL & CO.
2024 ARCH STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-563-5935

N.C.E.S. CODES
14.141800
14.140400
14.141100
S.I.C. CODES
891
899
KEYWORDS
BUILDING CONSTRUCTION
BUILDING MATERIALS ANALYSIS
CONSTRUCTION TESTS
PERSONNEL
3 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: COMPLETE LABORATORIES FOR TESTING AND THE EVALUATION OF MATERIALS USED IN THE CONSTRUCTION INDUSTRY, BOTH CHEMICAL ANALYSIS AND PHYSICAL TEST FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

284
EAST PENN MFG. CO., INC.
ROBERT P. FLICKER, DIRECTOR
EAST PENN MFG. CO., INC. LABORATORY
DEKA ROAD
LYON STATION, PA 19536
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-682-6361

N.C.E.S. CODES
40.050100
40.050600
40.070100
S.I.C. CODES
334
349
379
KEYWORDS
LEAD ACID BATTERIES
LEAD PARTS CASTING
PRIMARY WIRE
PERSONNEL
3 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4200.00

FACILITIES: O.E.S., A.A.S., X-RAY DIFFRACTION AND FLUORESCENCE, INFRARED SPECTRE, METALLOGRAPH, AND BATTERY TEST EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: LIMITED SPECIFIC LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH OTHER COMPANIES FOR JOINT PROJECTS

OUTPUTS: N/A

285
EAST STROUDSBURG STATE COLLEGE
DR. LARRY RYMOND, DIRECTOR
EAST STROUDSBURG STATE COLLEGE RIVER OTTER STUDY
BIOLOGY DEPARTMENT
EAST STROUDSBURG, PA 18301
MONROE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-424-3714

N.C.E.S. CODES
3.060000
S.I.C. CODES
99
KEYWORDS
OTTER
DELAWARE RIVER WILDLIFE
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $26000.00
SOURCES: PENNSYLVANIA GAME COMMISSION; NATIONAL AUDUBON SOCIETY
PAST FUNDING
AVERAGE AMOUNT = $14000.00
SOURCES: PENNSYLVANIA GAME COMMISSION; NATIONAL AUDUBON SOCIETY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: PENNSYLVANIA GAME COMMISSION; NATIONAL AUDUBON SOCIETY

OUTPUTS: PENNSYLVANIA GAME COMMISSION REPORTS

286
EAST STROUDSBURG STATE COLLEGE
DR. RONALD BORTZ, DIRECTOR
EDUCATIONAL DEVELOPMENT CENTER
EDUCATIONAL DEVELOPMENT CENTER
EAST STROUDSBURG, PA 18301
MONROE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-424-3232

N.C.E.S. CODES
0
S.I.C. CODES
94
941
KEYWORDS
EDUCATION
NEEDS ASSESSMENT
NEEDS AND GOALS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4200.00
PAST FUNDING
AVERAGE AMOUNT = $4000.00

FACILITIES: OPTICAL FORM READER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: PENNSYLVANIA SCHOOL IMPROVEMENT PARTNERSHIP PROGRAM; SALZBURG, AUSTRIA PUBLIC SCHOOL SYSTEM

OUTPUTS: NARRATE AND EVALUATE REPORTS TO PENNSYLVANIA DEPARTMENT OF EDUCATION; REPORTS TO PARTICIPATING SCHOOL SYSTEMS

287
EAST STROUDSBURG STATE COLLEGE
DR. LARRY RYMOND, DIRECTOR
PENNSYLVANIA OSPREY RE-INTRODUCTION PROGRAM
BIOLOGY DEPARTMENT
EAST STROUDSBURG, PA 18301
MONROE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-424-3741

N.C.E.S. CODES
3.060000
S.I.C. CODES
9
97
KEYWORDS
OSPREY
BIRDS OF PREY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
0 SUPPORT STAFF

CURRENT FUNDING
AVERAGE AMOUNT = $22000.00
SOURCES: PENNSYLVANIA GAME COMMISSION;
NATIONAL AUDUBON SOCIETY
PAST FUNDING
AVERAGE AMOUNT = $14000.00
SOURCES: PENNSYLVANIA GAME COMMISSION;
NATIONAL AUDUBON SOCIETY

FACILITIES: FOUR HAWKING SITES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: PENNSYLVANIA GAME COMMISSION; NATIONAL AUDUBON SOCIETY

OUTPUTS: RESEARCH PAPERS AND NARRATIVE REPORTS TO COOPERATING AGENCIES

288
EAVENSON, AUCHMUTY & GREENWALD - WASHINGTON
ENERGY PROCESSING, INC.
EDWARD H. GREENWALD, DIRECTOR
CHAMPION COAL SILT
AIRPORT OFFICE PARK III - 420 ROUSER ROAD -
CORAOPOLIS
CORAOPOLIS, PA 15108-2774
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-262-5300

N.C.E.S. CODES
14.210000
14.270000
14.990000
S.I.C. CODES
12
KEYWORDS
ULTRA FINE COAL REFINING
MOISTURE, ASH AND SULPHUR REDUCTION
PERSONNEL
1 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: FULL SIZE—2-STAGE FROTH FLOTATION LINE, 20 CELLS TOTAL

BUILDINGS: A LARGE BUILDING WITH 5 BAYS INCLUDING ANALYTICAL LAB AND SAMPLE PREPARATION

COLLECTIONS: COLLECTION OF 63 YEARS OF BACKGROUND AND DATA, REPORTS, PAPERS AND TEXT BOOKS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

289
ECONOMIC DEVELOPMENT COUNCIL OF NORTHEASTERN
PENNSYLVANIA
HOWARD J. GROSSMAN, DIRECTOR
ECONOMIC DEVELOPMENT COUNCIL OF NORTHEASTERN
PENNSYLVANIA
P.O. BOX 777
AVOCA, PA 18641
LUZERNE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-655-5581

N.C.E.S. CODES
8.000000
4.030000
6.010000
S.I.C. CODES
861
961
KEYWORDS
ECONOMIC DEVELOPMENT FEASIBILITY STUDIES
REGIONAL PLANNING AND TECHNICAL ASSISTANCE
BUSINESS DEVELOPMENT MARKET STUDIES
PERSONNEL
14 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
7 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF REGIONAL ECONOMIC DEVELOPMENT, LANDUSE PLANNING, AND HOUSING AND TRANSPORTATION MATERIALS

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE U.S. AND THE PENNSYLVANIA DEPARTMENT OF COMMERCE

OUTPUTS: N/A

290
EDINBORO STATE COLLEGE
DR. JOHN MCMICHAEL, DIRECTOR
IMMUNE DISORDERS PROGRAM
BIOLOGY AND HEALTH SERVICES
EDINBORO, PA 16444
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-732-2459

N.C.E.S. CODES
18.020400
18.100200
18.100900

S.I.C. CODES
801
808
809
KEYWORDS
INNUMOREGULATION
IMMUNE DISORDERS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $115000.00
SOURCES: PATIENTS; INDUSTRY AND
NON-GOVERNMENTAL SOURCES
PAST FUNDING
AVERAGE AMOUNT = $110000.00
SOURCES: PATIENTS; INDUSTRY AND
NON-GOVERNMENTAL SOURCES

FACILITIES: RESEARCH LABS; CLINICAL OUTPATIENT FACILITIES AT CONNEAUTVILLE, CONNEAUT LAKE, GREENVILLE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: CLINICAL ASSOCIATIONS IN MOBILE, AL; CHARLESTON, SC; AND PITTSBURGH, PA

OUTPUTS: FDE REPORTS; PATENTS FOR A DIAGNOSTIC TEST FOR MULTIPLE SCLEROSIS, AND AN APPLICATION ON IMMUNOSPECTIC REGULATION BY A NOVEL TECHNICIAN

291
EDU-CRAFTERS, INC.
HORIE L. LOWE, DIRECTOR
EDU-CRAFTERS, INC.
222 WEST MAPLE AVENUE
LANGHORNE, PA 19047
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-752-3986

N.C.E.S. CODES
10.010100
6.060000
7.050000
S.I.C. CODES
941
273
489
KEYWORDS
CURRICULUM MATERIALS DEVELOPMENT
TRAINING TOOLS
INTEGRATIVE SKILLS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: MOBILE MATERIALS CONSTRUCTION LABORATORY INCLUDING SUPPLIES, EQUIPMENT, AND SAMPLES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

292
EDUCATIONAL COMPUTER CORPORATION
NICHOLAS A. SIECKO, DIRECTOR
INSTRUCTIONAL SYSTEMS DESIGN
175 STRAFFORD AVENUE
STRAFFORD, PA 190887
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-687-2600

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
MAINTENANCE TRAINING SIMULATION DEVICES
INSTRUCTIONAL MATERIAL
PERSONNEL
4 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

293
EDWARD C. MICHENER ASSOCIATES, INC.
MS. NANCY MADDOCK, DIRECTOR
MARKET RESEARCH DEPARTMENT
1007 NORTH FRONT STREET
HARRISBURG, PA 17102
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-234-0196

N.C.E.S. CODES
6.140100
6.140200
6.149900

S.I.C. CODES
99
KEYWORDS
MARKETING AUDITS
PRODUCT POSITIONING
MARKETING PLANNING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: AVERAGE MARKET RESEARCH LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

294
EDWARD MACNEAL ASSOCIATES
MR. EDWARD MACNEAL, DIRECTOR
EDWARD MACNEAL ASSOCIATES
P.O. BOX 249
WAYNE, PA 19087
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-687-0442

N.C.E.S. CODES
8.110000
45.110000
42.120000
S.I.C. CODES
458
KEYWORDS
AIR SERVICE ANALYSIS
DECISION MAKING PATTERNS AND PROCESSES
ECONOMIC FEASIBILITY STUDIES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

BUILDINGS: N/A

COLLECTIONS: AIR SERVICE, TRAFFIC DATA AND RELATED MATERIALS (EXTENSIVE COLLECTION); DECISION MAKING THEORY (SMALLER COLLECTION)

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

295
ELECTRIC TACHOMETER CORPORATION
T.J. PORTER, DIRECTOR
ELECTRIC TACHOMETER CORPORATION
68TH AND UPLAND STREETS
PHILADELPHIA, PA 19142
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-726-7723

N.C.E.S. CODES
0
S.I.C. CODES
381
KEYWORDS
INSTRUMENTATION
MEASUREMENT OF SPEED
PERSONNEL
5 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: SMALL TESTING LAB

BUILDINGS: N/A

COLLECTIONS: TECHNICAL REFERENCE MATERIAL

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

296
ELECTRON ENERGY CORPORATION
DAN WILLIAMS, DIRECTOR
ELECTRON ENERGY CORPORATION
329 MAIN STREET
LANDISVILLE, PA 17538
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-898-2294

N.C.E.S. CODES
14.180000
14.200000
S.I.C. CODES
349
KEYWORDS
PERMANENT MAGNETS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

297
ELECTRONICS, MISSLES & COMMUNICATIONS, INC.
ROBERT NASH, DIRECTOR
ELECTRONICS, MISSLES & COMMUNICATIONS, INC.
P.O. BOX 68
WHITE HAVEN, PA 18661-0068
LUZERNE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-443-9575

N.C.E.S. CODES
9.070000
10.019900
14.100000
S.I.C. CODES
483
366
KEYWORDS
UHF/VHF MICROWAVE PRODUCTS
"SPACE MIRROR" OUTSIDE RESEARCH WORK
COMMUNICATIONS ELECTRONICS
PERSONNEL
3 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $375000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

298
ELJIER PLUMBINGWARE
MYRON J. AMENT, DIRECTOR
ELJIER PLUMBINGWARE
THREE GATEWAY CENTER
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-553-7269

N.C.E.S. CODES
8.010000
9.020000
14.000000
S.I.C. CODES
282
326
343
KEYWORDS
PLUMBING FIXTURE DESIGN
WATER SAVING
PERSONNEL
10 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $350000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

299
ELLIOTT TURBOMACHINERY COMPANY, INC.
SUBSIDIARY OF UNITED TECHNOLOGIES CORPORATION
JOHN W. SCHLIRF, DIRECTOR
ENGINEERING DEPARTMENT
N/A
JEANNETTE, PA 15644
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-527-2811

N.C.E.S. CODES
14.190000
30.030000
11.010000
S.I.C. CODES
351
359
349
KEYWORDS
TURBOMACHINERY
NEW COMPONENTS
COST IMPROVEMENT
PERSONNEL
86 RESEARCH PROFESSIONALS
14 SUPPORT PROFESSIONALS
65 TECHNICAL STAFF
17 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $12000000.00

FACILITIES: AERO AND MECHANICAL TEST STANDS IN ENGINEERING LABORATORY, MATERIALS LABORATORY, MODEL SHOP, ENGINEERING COMPUTOR SYSTEM

BUILDINGS: N/A

COLLECTIONS: ENGINEERING TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: WITH CORPORATE RESEARCH CENTERS, INTERDIVISIONAL TECHNICAL EXCHANGE WITH

UTC

OUTPUTS: N/A

300
ELWYN INSTITUTES
DR. MARVIN ROSEN, DIRECTOR
RESEARCH DEVELOPMENT
111 ELWYN ROAD
ELWYN, PA 19063
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-358-6555

N.C.E.S. CODES
  42.010000
S.I.C. CODES
  809
  839
  941
KEYWORDS
  PROGRAM EVALUATION
  FOLLOW-UP STUDIES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

301
EMERGENCY CARE RESEARCH INSTITUTE
DR. NOBEL, DIRECTOR
EMERGENCY CARE RESEARCH INSTITUTE
5200 BUTLER PIKE
PLYMOUTH MEETING, PA 19462
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-825-6000

N.C.E.S. CODES
  14.050000
S.I.C. CODES
  99
KEYWORDS
  HEALTH COMMUNITY CONSULTATION
  HOSPITAL EQUIPMENT EVALUATION
PERSONNEL
  60 RESEARCH PROFESSIONALS
  7 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  10 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

302
EMGLO PRODUCTS CORPORATION
DAVID KEENEY, DIRECTOR
EMGLO PRODUCTS CORPORATION
JOHNSTOWN INDUSTRIAL PARK
JOHNSTOWN, PA 15904
CAMBRIA COUNTY
SOUTHER ALLEGHENIES DEVELOPMENT REGION
PHONE: 814-266-8656

N.C.E.S. CODES
  14.190000
S.I.C. CODES
  355
KEYWORDS
  AIR COMPRESSOR DESIGN
PERSONNEL
  2 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00

FACILITIES: TESTING FIXTURES - AIR FLOW, TEMPERATURE, OSCILLISCOPE PRESSURE PROBES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

303
EMPLOYMENT AND TRAINING FOUNDATION (ETF)
DAVID TEEPLE, DIRECTOR
JOB TRAINING/JOB PLACEMENT PROGRAMS
700-2 FOX PAVILION
JENKINTOWN, PA 19046
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-572-5321

N.C.E.S. CODES
  6.060000
S.I.C. CODES
  941
  944

KEYWORDS
  JOB PLACEMENT PROGRAMS
  SELF-DIRECTED JOB SEARCH
  JOB TRAINING
PERSONNEL
  4 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $175000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

304
ENERGY AND ENVIRONMENT MANAGEMENT, INC.
PETER R. EDMONDS, DIRECTOR
ENERGY AND ENVIRONMENT MANAGEMENT, INC.
P.O. BOX 71
MURRYSVILLE, PA 15668
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-247-5124

N.C.E.S. CODES
  30.010100
  30.030100
  40.040000
S.I.C. CODES
  739
  899
KEYWORDS
  ENVIRONMENTAL CONSULTING
  PERMIT APPLICATIONS
  REGULATORY ANALYSIS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $500000.00

FACILITIES: COMPUTERS, WORD PROCESSING, AIR AND WATER QUALITY MEASUREMENT EQUIPMENT, REPORT PRODUCTION AND REPRODUCTION FACILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A RESEARCH REFERENCE LIBRARY ON ENERGY AND ENVIRONMENTAL EFFECTS, REGULATIONS, RESOURCES, AND STUDIES

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH OTHER COMMERCIAL CONSULTING FIRMS

OUTPUTS: N/A

305
ENERGY AND MINERALS RESEARCH CO.
MR. HARRY E. STEWART, DIRECTOR
ENERGY AND MINERALS RESEARCH CO.
964 EAST SWEDESFORD ROAD, P.O. BOX 389
EXTON, PA 19341
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-647-7715

N.C.E.S. CODES
  14.180000
  14.010000
  8.030000
S.I.C. CODES
  289
  307
  329
KEYWORDS
  ULTRASONIC PROCESSING
  FINE POWDER TECHNOLOGY
  ULTRASONIC GAS CLEANING
PERSONNEL
  10 RESEARCH PROFESSIONALS
  7 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $900000.00

FACILITIES: ULTRASONIC TEST AND DEMONSTRATION EQUIPMENT; FINE PARTICLE LABORATORY; FIRE RESEARCH EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SPECIAL LIBRARY IN ULTRASONICS AND FINE PARTICLE TECHNOLOGY

COOPERATIVE ARRANGEMENTS: HAS SEVERAL COOPERATIVE ARRANGEMENTS WITH DELEWARE VALLEY UNIVERSITIES AND WITH INDUSTRY

OUTPUTS: N/A

306
ENERGY UTILIZATION SYSTEMS, INC.
R.L. DUNNING, DIRECTOR
ENERGY UTILIZATION SYSTEMS, INC.
201 SECO ROAD
MONROEVILLE, PA 15146
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-856-4540

N.C.E.S. CODES
14.141900
S.I.C. CODES
363
KEYWORDS
HEAT PUMPS
ENERGY EFFICIENT EQUIPMENT
PERSONNEL
3 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

307
ENVIRONMENTAL RESEARCH ASSOCIATES, INC.
DR. M.H. LEVIN, DIRECTOR
ENVIRONMENTAL RESEARCH ASSOCIATES, INC.
490 DARBY-PAULI ROAD
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-687-5629

N.C.E.S. CODES
30.030100
14.080000
2.049900
S.I.C. CODES
99
KEYWORDS
INTERDISCIPLINARY
ENVIRONMENTAL SCIENCES
PLANNING
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

FACILITIES: CHEMISTRY LAB

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE PROFESSIONAL LIBRARY AND REFERENCE COLLECTION

COOPERATIVE ARRANGEMENTS: NUMEROUS DEVELOPED OVER
THE LAST 25 YEARS AND REPRESENTING AN ENTIRE SPECTRUM OF SCIENTIFIC SPECIALTIES

OUTPUTS: N/A

308
ERIEZ MAGNETICS
THOMAS H. FALCONER, DIRECTOR
ERIEZ TECHNICAL CENTER
P.O. BOX 10608
ERIE, PA 16514
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-833-9881

N.C.E.S. CODES
14.010000
14.210000
14.130000
S.I.C. CODES
356
349
369
KEYWORDS
MINERAL TESTING
MAGNETIC AND VIBRATORY EQUIPMENT
PRODUCT DEVELOPMENT
PERSONNEL
4 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $450000.00

FACILITIES: COMPLETE LINE OF MAGNETIC AND VIBRATORY EQUIPMENT FOR TESTING OF MATERIALS (MINERAL) HANDLING, ORIENTING AND SEPARATION PROCESSES

BUILDINGS: N/A

COLLECTIONS: LIBRARY ACCESS TO MOST DATA BASES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

309
ESSEX CORPORATION
DR. HARRY J. OLDER, DIRECTOR
ESSEX RESEARCH GROUP
333 NORTH FAIRFAX STREET
ALEXANDRIA, VA 22314
COUNTY
DEVELOPMENT REGION
PHONE: 703-548-4500

N.C.E.S. CODES
30.030100

11.010000
42.080000
S.I.C. CODES
891
899
737
KEYWORDS
MAINTENANCE ENGINEERING
ENGINEERING SUPPORT
AIRCRAFT DESIGN
PERSONNEL
100 RESEARCH PROFESSIONALS
150 SUPPORT PROFESSIONALS
50 TECHNICAL STAFF
50 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $17000000.00

FACILITIES: MINICOMPUTERS, DATA GENERAL ECLIPSE (MECHANICSBURG)

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

310
EVALUATION ASSOCIATES, INC.
N/A, DIRECTOR
EVALUATION ASSOCIATES, INC.
GSB BUILDING, 1 BELMONT AVENUE
BALA CYNWYD, PA 19004
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-667-3761

N.C.E.S. CODES
14.100000
14.230000
14.990000
S.I.C. CODES
891
899
KEYWORDS
ELECTRICAL AND MECHANICAL ENGINEERING
SAFETY
RELIABILITY
PERSONNEL
18 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF ALL MAJOR PUBLICATIONS ON RELIABILITY AND MAINTAINENCE SAFETY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

311
EXECUTIVE TRAINING ASSOCIATES
DR. EDWARD LEWIS, DIRECTOR
EXECUTIVE TRAINING ASSOCIATES
P.O. BOX 10
ACME, PA 15610
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-423-6633

N.C.E.S. CODES
6.040100
6.180100
7.050000
S.I.C. CODES
739
KEYWORDS
QUANTIFICATION
ASSUMPTION TESTING AND ASSESSMENT
RECOMMENDATIONS AND POLICY FORMATION
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

312
EXTRANUCLEAR LABORATORIES, INC.
MR. WADE L. FITE, DIRECTOR
RESEARCH
P.O. BOX 11512
PITTSBURGH, PA 15238
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-782-3886

N.C.E.S. CODES
40.050200
40.080200
14.100000
S.I.C. CODES
381
382

KEYWORDS
  MASS SPECTROMETRY
  ANALYTICAL CHEMISTRY
  PROCESS MONITORING
PERSONNEL
  7 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $450000.00

FACILITIES: QUADRUPLE MASS SPECTROMETERS, GAS AND LIQUID CHROMATOGRAPHS, DATA SYSTEMS, MODULATED BEAM MASS SPECTROMETER, WET LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH MICHIGAN STATE UNIVERSITY, COLORADO SCHOOL OF MINES, UNIVERSITY OF UTAH, UNIVERSITY OF PITTSBURGH, BATTELLE MEMORIAL

OUTPUTS: N/A

313
F.B. LEOPOLD COMPANY
W. O'DONNELL, DIRECTOR
RESEARCH AND DEVELOPMENT
227 SOUTH DIVISION STREET
ZELIENOPLE, PA 16063
BUTLER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-452-6300

N.C.E.S. CODES
  14.100000
  14.180000
  14.190000
S.I.C. CODES
  382
KEYWORDS
  ELECTRONICS
  HYDRAULICS
  MECHANICAL ENGINEERING
PERSONNEL
  5 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00

FACILITIES: HYDRAULICS TEST BUILDING, ELECTRONICS BUILDING

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

314
F.C. LYNCH INTERVIEWING SVC
FRANCES C. LYNCH, DIRECTOR
F.C. LYNCH INTERVIEWING SVC
7708 CITY AVENUE
PHILADELPHIA, PA 19151
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-879-1116

N.C.E.S. CODES
  0
S.I.C. CODES
  892
KEYWORDS
  OPINION POLLS
  TELEPHONE SURVEYS
  TASTE TESTING
PERSONNEL
  75 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  4 SUPPORT STAFF

FACILITIES: CENTRAL TELEPHONE FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

315
F.R. INDUSTRIES, INC.
FRANCOIS REIZINE, DIRECTOR
F.R. INDUSTRIES, INC.
557 LONG ROAD
PITTSBURGH, PA 15235
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-242-5903

N.C.E.S. CODES
  6.060900
  14.000000
S.I.C. CODES
  99
KEYWORDS
  NEW PRODUCTS
  INDUSTRIAL PRODUCTS
  PRODUCT DEVELOPMENT
PERSONNEL
  5 RESEARCH PROFESSIONALS

3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
5 SUPPORT STAFF

FACILITIES: COMPLETELY EQUIPPED OFFICE WITH TELEX, TELECOPY, AND MICROCOMPUTER

BUILDINGS: WAREHOUSE

COLLECTIONS: A FRENCH AND ENGLISH COMMERCIAL, AND TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

316
FAIRMONT TRAINING SERVICES
ROBERT C. TAKAC, DIRECTOR
FAIRMONT TRAINING SERVICES
BOX F
SUMNEYTOWN, PA 18084
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-234-8144

N.C.E.S. CODES
6.060000
7.050000
6.140100
S.I.C. CODES
941
KEYWORDS
BANK TRAINING PROGRAMS
HOSPITAL TRAINING PROGRAMS
PERSONNEL
3 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
4 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH HIGH TECH/TOUCH COMPANIES

OUTPUTS: N/A

317
FEDERAL RESERVE BANK OF PHILADELPHIA
DONALD J. MULLINEAUX, DIRECTOR
ECONOMIC RESEARCH DEPARTMENT
100 NORTH SIXTH STREET
PHILADELPHIA, PA 19106
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-574-6423

N.C.E.S. CODES
45.060100
6.030000
27.050000
S.I.C. CODES
601
KEYWORDS
MICROECONOMICS
FINANCE
ECONOMIC CONDITION
PERSONNEL
15 RESEARCH PROFESSIONALS
11 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
24 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

BUILDINGS: N/A

COLLECTIONS: BUSINESS LIBRARY

COOPERATIVE ARRANGEMENTS: VISITING SCHOLAR ARRANGEMENTS WITH UNIVERSITY OF PENNSYLVANIA AND PRINCETON UNIVERSITY

OUTPUTS: N/A

318
FISCHER & PORTER
HUBERT A. RIESTER, DIRECTOR
CORPORATE R&D
COUNTY LINE ROAD
WARMINSTER, PA 18974
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-674-6800

N.C.E.S. CODES
14.100000
14.090000
14.190000
S.I.C. CODES
382
KEYWORDS
COST-EFFECTIVE
NEW PRODUCT
DEVELOPMENT
PERSONNEL
85 RESEARCH PROFESSIONALS
71 SUPPORT PROFESSIONALS
22 TECHNICAL STAFF
18 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $7000000.00

FACILITIES: SOFTWARE DEVELOPMENT FACILITIES, MODEL SHOP, FLOW RIGS, TEMPERATURE/VIBRATION EQUIPMENT, CHLORINATION LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH A GROUP OF 40 PROFESSIONALS AT THE FISCHER & PORTER GERMAN FACILITY

OUTPUTS: N/A

319
FISHER SCIENTIFIC COMPANY
DR. D.L. GREENE, DIRECTOR
INSTRUMENT MFG. DIVISION OF R&D
711 FORBES AVENUE
PITTSBURGH, PA 15219
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-562-8458

N.C.E.S. CODES
  40.050200
  17.030800
S.I.C. CODES
  280
  290
  80
KEYWORDS
  LABORATORY
  INSTRUMENTS
  APPLIANCES
PERSONNEL
  2 RESEARCH PROFESSIONALS
  10 SUPPORT PROFESSIONALS
  27 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2300000.00

FACILITIES: MODEL SHOP AND ELECTRONICS PROTOTYPING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

320
FITCHBURG COATED PRODUCTS, INC.
JOSEPH BRIGANTI, DIRECTOR
RESEARCH AND DEVELOPMENT
BOX 1106
SCRANTON, PA 18501
LACKAWANNA COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-347-2035

N.C.E.S. CODES
  40.059900
  40.050400
S.I.C. CODES
  264
  307
KEYWORDS
  PRESSURE SENSITIVE ADHESIVES
  ELECTROSENSITIVE PAPERS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

321
FLUID SCIENCES, INC.
DR. N.J. ZABUSKY, DIRECTOR
FLUID SCIENCES, INC.
5871 AYLESBORO AVENUE
PITTSBURGH, PA 15217
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-422-1585

N.C.E.S. CODES
  40.080500
  27.040000
  14.120000
S.I.C. CODES
  99
KEYWORDS
  MODELS-FLUIDS
  COMPUTER SIMULATION
  DATA INTERPRETATION AND ANALYSIS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

322
FMC CORPORATION, MATERIAL HANDLING EQUIPMENT
DIVISION
ARTHUR L. DEAN, DIRECTOR
M.H.E. DIVISION RESEARCH AND DEVELOPMENT
DEPARTMENT
N/A
HOMER CITY, PA 15748
INDIANA COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-479-8011

N.C.E.S. CODES
14.190000
14.110000
14.100000
S.I.C. CODES
353
362
KEYWORDS
PRODUCT DEVELOPMENT
ENGINEERING ANALYSIS
TECHNOLOGY TESTING
PERSONNEL
11 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: 800 TPH/BULK MATERIAL RECIRCULATING SYSTEM, MECHANICAL/ELECTRONIC TEST EQUIPMENT, CAD/FEM CAPABILITY

BUILDINGS: HIGH BAY TEST AREA, PROJECT ASSEMBLY AREA, AND TECHNICAL SHOP

COLLECTIONS: MAINTAINS A TECHNICAL LIBRARY WITH 200 BOOKS, PERIODICALS, AND THE PATENT GAZETTE

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH FMC CORPORATION'S CENTRAL ENGINEERING LABORATORY

OUTPUTS: N/A

323
FONDA ENGINEERING ASSOCIATES
ALBERT G. FONDA, DIRECTOR
FONDA ENGINEERING ASSOCIATES
545 HUGHES ROAD
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-687-3311

N.C.E.S. CODES
14.190000
S.I.C. CODES
371
375
356
KEYWORDS
CONSULTING MECHANICAL ENGINEERING
AUTOMOTIVE ACCIDENT INVESTIGATIONS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $70000.00

FACILITIES: TOOLS AND CAMERAS

BUILDINGS: N/A

COLLECTIONS: AUTOMOTIVE AND SAFETY LITERATURE

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH A TENSILE TEST LAB AND A COMPUTER FACILITY

OUTPUTS: N/A

324
FOOTWEAR INDUSTRIES OF AMERICA, INC.
LEE MCKINLEY, DIRECTOR
TECHNOLOGY DIVISION
3700 MARKET STREET
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-222-6011

N.C.E.S. CODES
40.050400
40.050600
11.050000
S.I.C. CODES
861
892
KEYWORDS
TEST SHOES
SHOE PRODUCT AND WEAR PERFORMANCE
RESEARCH AND NEW SHOE TECHNOLOGIES
PERSONNEL
3 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $420898.00

FACILITIES: LABORATORY, MACHINE TESTING ROOM

BUILDINGS: N/A

COLLECTIONS: LIBRARY SPECIALIZING IN THE FOOTWEAR INDUSTRY

COOPERATIVE ARRANGEMENTS: MEMBER OF SATRA, THE R&D ASSOCIATION OF THE FOOTWEAR INDUSTRY LOCATED IN ENGLAND

OUTPUTS: N/A

325
FORBES AND WILLIAMS, INC.
JAMES A. FORBES, DIRECTOR
FORBES AND WILLIAMS, INC.
5 SOUTH MAIN STREET
SHREWSBURY, PA 17361
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-235-4841

N.C.E.S. CODES
  18.109900
  27.050000
  18.090000
S.I.C. CODES
  283
KEYWORDS
  ANALGESIC MEDICATION
  ANALGESIC EFFICACY
  MEDICAL RESEARCH CONSULTING
PERSONNEL
  1 RESEARCH PROFESSIONALS
  7 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $400000.00

FACILITIES: COMPUTER STORAGE OF COLLECTED DATA

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: DATA COLLECTION FROM COOPERATING ORAL SURGEONS, PHYSICIANS AND DENTISTS

OUTPUTS: N/A

326
FOREIGN POLICY RESEARCH INSTITUTE
NILS H. WESSELL, DIRECTOR
FOREIGN POLICY RESEARCH INSTITUTE
3508 MARKET STREET, SUITE 350
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-382-2054

N.C.E.S. CODES
  45.090000
  45.100000
  44.050000
S.I.C. CODES
  892
  272
  273
KEYWORDS
  INTERNATIONAL POLITICS
  MILITARY AFFAIRS
  INTERNATIONAL POLITICAL ECONOMY
PERSONNEL
  10 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  5 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $750000.00

BUILDINGS: N/A

COLLECTIONS: SPECIALIZED LIBRARY COLLECTION OF PERIODICALS, BOOKS AND OTHER INFORMATION FILES PERTAINING TO INTERNATIONAL POLITICS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

327
FOX CHASE CANCER CENTER
DR. JOHN R. DURANT, DIRECTOR
FOX CHASE CANCER CENTER
7701 BURHOLME AVENUE
PHILADELPHIA, PA 19111
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-728-2781

N.C.E.S. CODES
  26.040100
  26.040200
  26.070300
S.I.C. CODES
  806
  808
  809
KEYWORDS
  CANCER RESEARCH
  BASIC RESEARCH
  CLINICAL RESEARCH
PERSONNEL
  120 RESEARCH PROFESSIONALS
  100 SUPPORT PROFESSIONALS
  100 TECHNICAL STAFF
  100 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $38000000.00

FACILITIES: CELL SORTER; DNA AND RNA SEQUENCING; MONOCLONAL ANTIBODY FACILITY

BUILDINGS: HOSPITAL AND RESEARCH LABORATORIES

COLLECTIONS: MAINTAINS THE TALBOT RESEARCH LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE UNIVERSITY OF PENNSYLVANIA

OUTPUTS: N/A

328
FOX RESEARCH AND LIBRARY SERVICE
MR. KARL M. FOX, DIRECTOR
FOX RESEARCH AND LIBRARY SERVICE
309 YALE AVENUE
SWARTHMORE, PA 19081
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-543-2801

N.C.E.S. CODES
3.040600
6.180000
11.040000
S.I.C. CODES
892
739
282
KEYWORDS
COAL LIQUIFACTION
WATER POLLUTION CONTROL
RUBBER, PLASTICS, PAPER
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $20000.00

BUILDINGS: N/A

COLLECTIONS: BOOKS, FILES, TECHNICAL REPORTS, AND GOVERNMENT AGENCIES AND ASSOCIATIONS REPORTS

COOPERATIVE ARRANGEMENTS: ASTM, PENNTAR, PEC REG I, SBA-SCORE

OUTPUTS: N/A

329
FRANKEL ENGINEERING LABORATORIES, INC.
N/A, DIRECTOR
FRANKEL ENGINEERING LABORATORIES, INC.
P.O. BOX 501, 125 SOUTH FIFTH STREET
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-373-5205

N.C.E.S. CODES
14.000000
14.990000
S.I.C. CODES
737
KEYWORDS
ENGINEERING
PERSONNEL
8 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: HP 3000/II COMPUTER SYSTEM; HP 3000/30 COMPUTER SYSTEM

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

330
FRANKLIN AND MARSHALL COLLEGE
DR. JONATHAN L. RICHARDSON, DIRECTOR
BIOLOGY DEPARTMENT
BIOLOGY DEPARTMENT
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-291-4118

N.C.E.S. CODES
26.060300
26.050000
S.I.C. CODES
99
KEYWORDS
DIATOM ECOLOGY
PALEOECOLOGY
AQUATIC BIOMONITORING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
PAST FUNDING
AVERAGE AMOUNT = $19000.00
SOURCES: NATIONAL SCIENCE FOUNDATION

BUILDINGS: N/A

COLLECTIONS: PERSONAL COLLECTION

COOPERATIVE ARRANGEMENTS: AUSTRALIAN NATIONAL UNIVERSITY

OUTPUTS: SEVERAL RESEARCH PAPERS

331
FRANKLIN AND MARSHALL COLLEGE
DR. DAVID B. KING, DIRECTOR
DEPARTMENT OF BIOLOGY
BOX 3003
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-291-4117

N.C.E.S. CODES
26.060500
26.060400
26.070400
S.I.C. CODES
99
KEYWORDS
SKELETAL MUSCLE
THYROID HORMONE
AVIAN MUSCULAR DYSTROPHY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $805.00
SOURCES: FRANKLIN AND MARSHALL COLLEGE

FACILITIES: ULTRACENTRIFUGE, LIQUID SCINTILLATION COUNTER, ELECTROPHORESIS EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: UNIVERSITY OF CALIFORNIA (DAVIS)

OUTPUTS: RESEARCH PAPERS AND REPORTS

332
FRANKLIN AND MARSHALL COLLEGE
DR. CARL S. PIKE, DIRECTOR
DEPARTMENT OF BIOLOGY
BOX 3003
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-291-4119

N.C.E.S. CODES
2.040700
26.030700
26.020000
S.I.C. CODES
99
KEYWORDS
MEMBRANE LIPIDS
STRESS PHYSIOLOGY
PLANT ADAPTATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $700.00
SOURCES: FRANKLIN AND MARSHALL COLLEGE

FACILITIES: TWO GROWTH CHAMBERS, GREENHOUSES, SPECTROPHOTOLUOROMETER, GAS CHROMATOGRAPH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: INFORMAL WITH CHEMISTRY DEPARTMENT

OUTPUTS: ARTICLES IN SCIENTIFIC JOURNALS

333
FRANKLIN AND MARSHALL COLLEGE
DR. IRA N. FEIT, DIRECTOR
DEPARTMENT OF BIOLOGY
DEPARTMENT OF BIOLOGY
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-291-4117

N.C.E.S. CODES
26.010000
26.050000
26.040100
S.I.C. CODES
99
KEYWORDS
DEVELOPMENTAL BIOLOGY
CELL DIFFERENTIATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $700.00
SOURCES: FRANKLIN AND MARSHALL COLLEGE
PAST FUNDING
AVERAGE AMOUNT = $35000.00
SOURCES: NATIONAL INSTITUTE OF HEALTH

FACILITIES: AO PHASE CONTRAST MICROSCOPE

BUILDINGS: N/A

COLLECTIONS: BIOLOGY COLLECTION AND PERSONAL REPRINTS

COOPERATIVE ARRANGEMENTS: USE OF ELECTRON MICROSCOPE AT HERSHEY MEDICAL SCHOOL

OUTPUTS: RESEARCH PAPERS AND REPORTS

334
FRANKLIN AND MARSHALL COLLEGE
DR. DANIEL C. HARRIS, DIRECTOR
DEPARTMENT OF CHEMISTRY
DEPARTMENT OF CHEMISTRY
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-291-4124

N.C.E.S. CODES
26.020000
40.050300
18.080000
S.I.C. CODES
99
KEYWORDS
TRANSFERRIN
FERRITIN
IRON
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $80739.00
SOURCES: NATIONAL INSTITUTE OF HEALTH;
RESEARCH CORPORATION
PAST FUNDING
AVERAGE AMOUNT = $7000.00
SOURCES: RESEARCH CORPORATION

FACILITIES: ELECTRON PARAMAGNETIC RESONANCE SPECTROMETER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH REPORTS AND PAPERS

335
FRANKLIN AND MARSHALL COLLEGE
DR. DANIEL HARRIS, DIRECTOR
DEPARTMENT OF CHEMISTRY
N/A
LANCASTER, PA 17064
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-291-4123

N.C.E.S. CODES
40.050100
40.059900
40.050400
S.I.C. CODES
381
KEYWORDS
IRON STORAGE AND TRANSPORT
INTRAMOLECULAR AND HYDROGEN BONDING
NMR AND THE SILICON BOND
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
18 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $101939.00
SOURCES: NIH, PETROLEUM RESEARCH FUND,
RESEARCH CORPORATION
PAST FUNDING
AVERAGE AMOUNT = $12500.00
SOURCES: PETROLEUM RESEARCH FUND

FACILITIES: FIVE IR SPECTROPHOTOMETERS; SIX UV-VIS SPECTROPHOTOMETERS; LIQUID CHROMATOGRAPH; PE DIFFERENTIAL SCANNING CALORIMETER; FIVE GAS CHROMATOGRAPHS; TWO POLAROGRAPHS; TEN PH METERS; TWO SOLUTION CALORIMETERS; NMR SPECTROMETER; HYDROGENATOR; HIGH PRESSURE REACTOR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: CENTRAL PENNSYLVANIA CONSORTIUM

OUTPUTS: OVER 15 RESEARCH PAPERS AND REPORTS

336
FRANKLIN AND MARSHALL COLLEGE
DR. R. PUFF, DIRECTOR
DEPARTMENT OF PSYCHOLOGY
P.O. BOX 3003
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-291-4202

N.C.E.S. CODES
18.120000
42.030000
42.070000
S.I.C. CODES
99
KEYWORDS
PSYCHOLOGY
COGNITIVE
HUMAN FACTORS
PERSONNEL
9 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: WELL EQUIPPED LABORATORIES AND COMPUTER FACILITIES

BUILDINGS: N/A

COLLECTIONS: DEPARTMENTAL LIBRARY
COOPERATIVE ARRANGEMENTS: UTILIZES THE HUMAN PERFORMANCE LAB AT ST. JOSEPH HOSPITAL

OUTPUTS: OVER 100 RESEARCH PAPERS AND REPORTS

337
FRANKLIN RESEARCH CENTER
CHARLES A. BELSTERLING, DIRECTOR
ELECTRICAL ENGINEERING DEPARTMENT
20TH AND RACE STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-1235

N.C.E.S. CODES
  14.100000
  14.090000
  11.000000
S.I.C. CODES
  739
  36
KEYWORDS
  SIMULATORS
  MICROCOMPUTERS
  DYNAMIC ANALYSIS
PERSONNEL
  11 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: MICROCOMPUTERS, SPEECH DEVELOPMENT LAB, ACOUSTICS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

338
FRANKLIN RESEARCH CENTER
JEREMY A. LIFSEY, DIRECTOR
INFORMATION SYSTEMS GROUP
20TH AND RACE STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-1322

N.C.E.S. CODES
  11.040000
  6.120000
  44.050000
S.I.C. CODES
  739
KEYWORDS
  INFORMATION MANAGEMENT
  DATABASE DESIGN AND DEVELOPMENT
  POLICY ANALYSIS
PERSONNEL
  63 RESEARCH PROFESSIONALS
  28 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  99 SUPPORT STAFF

FACILITIES: DECSYSTEM-20 DIGITAL COMPUTER, DATAPOINT 5500 MINICOMPUTER SYSTEM

BUILDINGS: N/A

COLLECTIONS: THE FRANKLIN INSTITUTE SCIENCE LIBRARY, AND A U.S. PATENT DEPOSITORY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

339
FRANKLIN RESEARCH CENTER
JOHN H. RUMBARGER, DIRECTOR
MECHANICAL AND STRUCTURAL ENGINEERING DEPARTMENT
20TH AND RACE STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-1564

N.C.E.S. CODES
  14.190000
  14.110000
  1.020000
S.I.C. CODES
  739
  351
KEYWORDS
  MACHINERY DIAGNOSTICS
  ENGINEERING MECHANICS
  MECHANICAL SYSTEMS
PERSONNEL
  39 RESEARCH PROFESSIONALS
  11 SUPPORT PROFESSIONALS
  34 TECHNICAL STAFF
  5 SUPPORT STAFF

FACILITIES: LARGE TWO STORY TEST BAY AREA; TWO ENGINE DYNAMOMETER TEST CELLS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

340
FRANKLIN RESEARCH CENTER
DR. SALVATORE P. CARFAGNO, DIRECTOR
NUCLEAR ENGINEERING DEPARTMENT
20TH AND RACE STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-488-1584

N.C.E.S. CODES
14.230000
S.I.C. CODES
739
KEYWORDS
PERFORMANCE QUALIFICATION
PERFORMANCE TESTING
REGULATORY COMPLIANCE
PERSONNEL
24 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
8 SUPPORT STAFF

FACILITIES: NONDESTRUCTIVE TEST INSTRUMENTATION; FLAME TEST FACILITIES; ENVIRONMENTAL TEST FACILITIES; SEISMIC VIBRATION TESTER; COMPUTER CENTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

341
FRANKLIN RESEARCH CENTER
DR. ROBERT K. SOBERMAN, DIRECTOR
PROCESS TECHNOLOGY DEPARTMENT
20TH AND RACE STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-1183

N.C E.S. CODES
30.010000
40.050000
14.070000
S.I.C. CODES
289
739
KEYWORDS
PROCESS TECHNOLOGY
BIOTECHNOLOGY
APPLIED PHYSICS
PERSONNEL
30 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
9 SUPPORT STAFF

FACILITIES: OFF SITE TEST FACILITY FOR COMBUSTION STUDIES AND CHEMICAL PILOT PLANTS, MOSSBAUER SPECTROMETRY, APPLIED PHYSICS LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

342
FREE-COL LABORATORIES
DR. J. RICHARD WOHLER, DIRECTOR
FREE-COL LABORATORIES
P.O. BOX 557, COTTON ROAD
MEADVILLE, PA 16335
CRAWFORD COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-724-6242

N.C.E.S. CODES
3.020300
40.050200
26.060300
S.I.C. CODES
110
286
289
KEYWORDS
ENVIRONMENT
METHODS
PERSONNEL
4 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
5 SUPPORT STAFF

FACILITIES: GC, GC/MS, AA, AA-ICP, BIOASSAY FACILITIES (AQUATIC)

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

343
FRUMERMAN ASSOCIATES INC.
R. FRUMERMAN, DIRECTOR
FRUMERMAN ASSOCIATES INC.
218 SOUTH TRENTON AVENUE
PITTSBURGH, PA 15221
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-371-7800

N.C.E.S. CODES
  14.070000
  14.270000
S.I.C. CODES
  891
KEYWORDS
  CHEMICAL PROCESS DEVELOPMENT
  COAL GASIFICATION PROCESSES
  POLLUTION ABATEMENT
PERSONNEL
  3 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A COMPANY LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

344
FUELS DEVELOPMENT GROUP, INC.
DR. MARTIN L. POMERANTZ, DIRECTOR
FUELS DEVELOPMENT GROUP, INC.
P.O. BOX 98220
PITTSBURGH, PA 15227
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-884-1057

N.C.E.S. CODES
  14.010000
S.I.C. CODES
  891
KEYWORDS
  FUEL CONVERSION
PERSONNEL
  3 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $150000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: CARNEGIE-MELLON UNIVERSITY COMBUSTION LABORATORY

OUTPUTS: N/A

345
FULLER COMPANY
DR. J. WARSHAWSKY, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
P.O. BOX 2040, 2040 AVENUE C
BETHLEHEM, PA 18001
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-264-6803

N.C.E.S. CODES
  14.010000
  14.070000
  14.090000
S.I.C. CODES
  353
  356
KEYWORDS
  PROCESS FEASIBILITY STUDIES
  RAW MATERIAL EVALUATION
  RAW MATERIAL PROCESS DEVELOPMENT
PERSONNEL
  9 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  19 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2000000.00

FACILITIES: FLUID BED REACTOR AND DRYERS (12", 18", AND 24" I.D.) CAPABLE OF OPERATING UP TO TEMPERATURES OF 2800 DEGREES FAHRENHEIT; REFRACTORY LINED ROTARY KILNS (12" DIAMETER BY 15' AND 27" DIAMETER BY 30'); PNEUMATIC CONVEYING EQUIPMENT INCLUDING VENTURI FEEDERS, ROTARY FEEDERS, PRESSURE TANKS, AND F-K PUMPS OPERATING IN CONVEYING LINES WITH DIAMETERS UP TO 12"; PNEUMATIC BLENDING (UP TO 6' IN DIAMETER); PILOT ROLLER MILL AND BALL MILL

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

346
G & G TALMAGE ASSOCIATES
GRACE J. TALMAGE, DIRECTOR
DTM (DOMESTIC TOUR MANUAL)
BOX 39
ABINGTON, PA 19001

MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-657-2278

N.C.E.S. CODES
8.110000
S.I.C. CODES
272
KEYWORDS
REFERENCE SALES GUIDE
MOTORCOACH TOUR INFORMATION
TRAVEL INDUSTRY RESEARCH
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $350000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A TRAVEL AND TOUR LIBRARY
COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH; AMERICAN BUS ASSOCIATION, AMERICAN SOCIETY OF TRAVEL AGENTS, NATIONAL TOUR BUS ASSOCIATION, AND TOURISTS BUREAUS

OUTPUTS: N/A

347
GAGE LAB CORPORATION
MAX J. UNIS, DIRECTOR
M.J.U. ASSOCIATES
P.O. BOX 11575
PHILADELPHIA, PA 19116
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-355-5420

N.C.E.S. CODES
40.079900
S.I.C. CODES
381
382
KEYWORDS
METROLOGY
CALIBRATION
QUALITY ASSURANCE
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $20000.00

FACILITIES: ELECTRICAL AND MECHANICAL STANDARDS TRACEABLE TO THE NATIONAL BUREAU OF STANDARDS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

348
GAGE LAB CORPORATION
MAX J. UNIS, DIRECTOR
MAX J. UNIS ASSOC.
BUCK ROAD AND COUNTY LINE
HUNTINGDON VALLEY, PA 19006
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-355-5420

N.C.E.S. CODES
14.130000
14.170000
14.270000
S.I.C. CODES
899
KEYWORDS
METROLOGY
TEST AND MEASURING EQUIPMENT INSPECTION
CALIBRATION
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
11 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

349
GAGLIARDI BROS., INC. (AFFILIATE H.J. HEINZ)
DR. AMY L. JOSEPH, DIRECTOR
RESEARCH AND DEVELOPMENT
700 NORTH FIVE POINTS ROAD
WEST CHESTER, PA 19380
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-692-7575

N.C.E.S. CODES
1.040200
6.040300
3.060000
S.I.C. CODES
201
KEYWORDS
PRODUCT DEVELOPMENT
MEAT PRODUCTS
PROFIT

PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: ANALYTICAL LAB, PILOT SHOP, SENSORY EVALUATION ROOM

BUILDINGS: N/A

COLLECTIONS: AFFILIATED WITH HEINZ WORLD WIDE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

350
GAI-TRONICS CORPORATION
JOHN A. HOROS, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
P.O. BOX 31
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-777-1374

N.C.E.S. CODES
14.100000
S.I.C. CODES
481
KEYWORDS
DISTRIBUTED MICROPROCESSOR CONTROL
SOFTWARE DEVELOPMENT
TELECOMMUNICATIONS EQUIPMENT
PERSONNEL
7 RESEARCH PROFESSIONALS
47 SUPPORT PROFESSIONALS
28 TECHNICAL STAFF
23 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $670000.00

FACILITIES: ACOUSTIC NOISE SIMULATION CHAMBER; ELECTRONIC EQUIPMENT TO SUPPORT CIRCUIT AND SOFTWARE DEVELOPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ACOUSTIC RESEARCH SHARED WITH A GROUP IN JACKSON, MI, THAT IS PART OF THE PARENT COMPANY

OUTPUTS: N/A

351
GANNON UNIVERSITY
DR. ROBERT K. JORDAN, DIRECTOR
ENGINEERING RESEARCH INSTITUTE
UNIVERSITY SQUARE
ERIE, PA 16541
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-871-7619

N.C.E.S. CODES
14.070000
14.050000
14.180000
S.I.C. CODES
262
33
KEYWORDS
WOOD PROCESSING
METALLIDING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $120000.00
SOURCES: GOVERNMENT, INDUSTRY, OTHER
PAST FUNDING
AVERAGE AMOUNT = $85000.00
SOURCES: GOVERNMENT, INDUSTRY, OTHER

FACILITIES: SPECIAL HIGH PRESSURE REACTORS

BUILDINGS: N/A

COLLECTIONS: NASH LEARNING CENTER

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: FORMIC ACID WOOD PULPING AND CHEMICALS AND FUELS (CHEMICALS; ACETIC ACID, METHONAL, PHENOL, BENZENE, PROPYLPHENOL. FUELS; METHANOL AND PROPYLBENZENE HAVING AN OCTANE NUMBER OF 129); METALLIDING; EXPECTING 15 PATENTS

352
GANNON UNIVERSITY
DR. T.S. OSTROWSKI, DIRECTOR
INSTITUTE FOR COMMUNITY DEVELOPMENT
WALKER BUILDING
ERIE, PA 16541
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-871-7535

N.C.E.S. CODES
43.000000
44.000000
45.120000

S.I.C. CODES
93
92
KEYWORDS
JAIL
JAIL POLICY
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $5000.00
SOURCES: MANUFACTURES ASSOCIATION OF ERIE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 15 RESEARCH REPORTS AND PAPERS

353
GANNON UNIVERSITY
DR. STANLEY J. ZAGORSKI, DIRECTOR
LIMNOLOGICAL RESEARCH
UNIVERSITY SQUARE
ERIE, PA 16541
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-871-7000

N.C.E.S. CODES
26.060700
18.220000
S.I.C. CODES
809
KEYWORDS
GASTROINTESTINAL
SWIMMING
PATHOGENIC DESEASE
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
25 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $71000.00
SOURCES: ENVIRONMENTAL PROTECTION AGENCY:
ERIE COUNTY DEPARTMENT OF HEALTH
PAST FUNDING
AVERAGE AMOUNT = $81000.00
SOURCES: ENVIRONMENTAL PROTECTION AGENCY

FACILITIES: MICROBIOLOGY LABS, ISOLATION AREA

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

354
GEISINGER CLINIC AND GEISINGER MEDICAL CENTER
DR. J. A. COLLINS, DIRECTOR
GEISINGER CLINIC RESEARCH UNIT
GEISINGER CLINIC
DANVILLE, PA 17822
MONTOUR COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-271-6405

N.C.E.S. CODES
18.100000
17.020000
S.I.C. CODES
80
383
KEYWORDS
MEDICAL ANIMAL RESEARCH
EPIDEMIOLOGICAL STUDIES
HEALTH DELIVERY SYSTEMS
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: COMPLETE CLINICAL DIAGNOSTIC MEDICAL OUT-PATIENT SUPPORTIVE LABORATORIES AND HOSPITAL FACILITIES

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE AVAILABLE MEDICAL LIBRARY OF 25000 VOLUMES OF JOURNALS AND 6620 VOLUMES OF BOOKS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

355
GELLMAN RESEARCH ASSOCIATES
STEPHEN GALE, DIRECTOR
GELLMAN RESEARCH ASSOCIATES
100 WEST AVE.
JENKINTOWN, PA 19046
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-884-7500

N.C.E.S. CODES
6.050000
11.020000

S.I.C. CODES
962
963
737
KEYWORDS
TECHNOLOGY TRANSFER
TESTIMONY
COMPUTER MODELING
PERSONNEL
8 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
7 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1250000.00

BUILDINGS: N/A

COLLECTIONS: 9000 VOLUME TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

356
GENERAL BATTERY CORPORATION
RICHARD CRAIG, DIRECTOR
GENERAL BATTERY CORPORATION
GBC TECHNICAL CENTER, 4440 POTTSVILLE PIKE
READING, PA 19605
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-921-4090

N.C.E.S. CODES
14.110000
14.070000
14.170000
S.I.C. CODES
369
KEYWORDS
AUTOMOTIVE BATTERIES
IGNITION
STARTING
PERSONNEL
6 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

FACILITIES: TECHNICAL CENTER; CORPORATE HEADQUARTERS ENGINEERING FACILITIES; PILOT PLANT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A PATENT LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

357
GENERAL CIGAR & TOBACCO CO.
MR. ALFRED M. GOTTSCHO, DIRECTOR
RESEARCH AND DEVELOPMENT CENTER
602 NORTH CHARLOTTE STREET, P.O. BOX 4217
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-397-3669

N.C.E.S. CODES
1.040300
1.049900
S.I.C. CODES
213
212
214
KEYWORDS
TOBACCO
SHEET TECHNOLOGY
PRODUCT DEVELOPMENT
PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $600000.00

BUILDINGS: N/A

COLLECTIONS: TOBACCO LITERATURE

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

358
GENERAL ELECTRIC
DR. L.D. ALEXANDER, DIRECTOR
SPACE SYSTEMS DIVISION
P.O. BOX 8555
PHILADELPHIA, PA 19101
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-962-2166

N.C.E.S. CODES
14.020000
14.100000
14.270000
S.I.C. CODES
99
KEYWORDS
SATELLITES
GROUND DATA SYSTEMS
RE-ENTRY SYSTEMS

PERSONNEL
100 RESEARCH PROFESSIONALS
100 SUPPORT PROFESSIONALS
300 TECHNICAL STAFF
20 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000000.00

FACILITIES: NUMEROUS LARGE COMPUTER SYSTEMS; LASER LAB; MATERIALS LAB; MICROELECTRONICS LAB

BUILDINGS: ANTENNA RANGE; ENVIRONMENTAL CHAMBERS

COLLECTIONS: MAINTAINS A TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

359
GENERAL ELECTRIC CO. TSBO DIVISION
DR. JOHN N. WU, DIRECTOR
THE MATERIALS & PROCESSES LABORATORY
BLDG. 14-1, TSBO, GENERAL ELECTRIC, 2901 E. LAKE ROAD
ERIE, PA 16531
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-875-3425

N.C.E.S. CODES
14.180000
14.190000
14.200000
S.I.C. CODES
381
374
411
KEYWORDS
ENGINEERING TESTS
MATERIAL APPLICATION
FAILURE ANALYSIS
PERSONNEL
20 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3000000.00

FACILITIES: SHOCK AND VIBRATION TEST FACILITY, ANALYTICAL CHEMISTRY EQUIPMENT, METALLURGICAL TEST EQUIPMENTS, COMPUTER AIDED TEST SYSTEM

BUILDINGS: N/A

COLLECTIONS: TECHNICAL INFORMATION SERVICE CENTER, TECHNICAL JOURNALS, COMPUTERIZED LITERATURE SEARCH

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

360
GENERAL ELECTRIC COMPANY
RICHARD J. FARRELLY, DIRECTOR
ENGINEERING & MANUFACTURING DEPARTMENT
3198 CHESTNUT STREET
PHILADELPHIA, PA 19101
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-823-2360

N.C.E.S. CODES
14.020000
14.180000
14.100000
S.I.C. CODES
376
966
KEYWORDS
AEROTHERMODYNAMICS
COMPOSITES
MICROELECTRONICS
PERSONNEL
278 RESEARCH PROFESSIONALS
163 SUPPORT PROFESSIONALS
31 TECHNICAL STAFF
32 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $30000000.00

FACILITIES: MAJOR LABORATORIES ARE: HYBRID SIMULATION; COMPUTER SYSTEMS DEVELOPMENT; HYPERTHERMAL ARC; HIGH PRESSURE/TEMPERATURE; HARDENED MATERIALS; MATERIALS TESTING; MECHANICS; CADMAT CENTER. MANUFACTURING FACILITIES INCLUDE: MULTI-AXIS MACHINING AREA; PRINT WIRE BOARD FABRICATION MACHINE/SHEET METAL SHOP; PLASTICS SHOP; WEAVE LAB; ADVANCED MANUFACTURING ENGINEERING LAB; MANUFACTURING CADMAT CENTER; AND ELECTRONICS SHOP. TEST LABORATORIES INCLUDE: ENVIRONMENTAL TESTS; SYSTEMS TESTS; GROUND STATIONS; COMPUTER AIDED TEST; STRUCTURAL DEVELOPMENT; EMI TEST; METROLOGY; CALIBRATION; MASS PROPERTIES.

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: FORMAL WORK/STUDY CO-OP
PROGRAM WITH DREXEL UNIVESITY

OUTPUTS: N/A

361
GENERAL ELECTRIC COMPANY - POWER SYSTEMS
MANAGEMENT BUSINESS DEPARTMENT

L.L. MANKOFF, DIRECTOR
POWER SYSTEMS MANAGEMENT - ENGINEERING
205 GREAT VALLEY PARKWAY
MALVERN, PA 19355-0715
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-251-7000

N.C.E.S. CODES
14.100000
S.I.C. CODES
361
367
KEYWORDS
HARDWARE
SOFTWARE
MICROPROCESSORS
PERSONNEL
15 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

FACILITIES: POWER LINE SIMULATORS, COMPUTERS; COMPUTER AIDED DESIGN AND DRAFTING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH ELECTRIC POWER RESEARCH INSTITUTE

OUTPUTS: N/A

362
GENERAL ELECTRIC ENVIRONMENTAL SERVICES, INC.
JOEL CHALFIN, DIRECTOR
ADVANCED DEVELOPMENT ENGINEERING
200 NORTH SEVENTH STREET
LEBANON, PA 17041
LEBANON COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-274-7147

N.C.E.S. CODES
14.140000
30.030100
40.040000
S.I.C. CODES
349
359
891
KEYWORDS
AIR POLLUTION EQUIPMENT
ABATEMENT TECHNIQUE TESTING
DESIGN DATA BASE
PERSONNEL
3 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: PILOT PLANT FACILITIES FOR FLUE GAS DESULFURIZATION, FABRIC FILTRATION, AND ELECTROSTATIC PRECIPITATION

BUILDINGS: N/A

COLLECTIONS: PERTINENT TEXTS, JOURNALS AND REPORTS FOR DAILY NEEDS

COOPERATIVE ARRANGEMENTS: BETWEEN COMPANY UNITS

OUTPUTS: N/A

363
GENERAL FOAM CORPORATION
DR. HERMAN STONE, DIRECTOR
R&D DEPARTMENT
VALMONT INDUSTRIAL PARK
WEST HAZLETON, PA 18201
LUZERNE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-455-4931

N.C.E.S. CODES
0
S.I.C. CODES
282
KEYWORDS
URETHANE FOAM PRODUCTS
FOAM PROCESS TECHNOLOGY
PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $600000.00

FACILITIES: SPECIALIZED PHYSICAL TESTING AND FLAMMABILITY TESTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

364
GENERAL POWER CORPORATION
RICHARD R. COLEMAN, DIRECTOR
GENERAL POWER CORPORATION

225 PLANK AVENUE
PAOLI, PA 19301
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-644-0656

N.C.E.S. CODES
  14.190000
  14.110000
  14.020000
S.I.C. CODES
  351
  379
KEYWORDS
  WAVE ENGINES
  TURBINES
  SUPERCHARGERS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $450000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

365
GENERAL PUBLIC UTILITIES CORPORATION
RICHARD H. YOUNG, DIRECTOR
GENERAL PUBLIC UTILITIES CORPORATION
100 INTERPACE PARKWAY
PARSIPPANY, NJ 07054
COUNTY
DEVELOPMENT REGION
PHONE: 201-263-6261

N.C.E.S. CODES
  0
S.I.C. CODES
  491
KEYWORDS
  SYSTEM ASSESSMENT
  SYSTEM OPERATIONS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  12 SUPPORT PROFESSIONALS
  49 TECHNICAL STAFF
  11 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $7600000.00

FACILITIES: ELECTRIC POWER RESEARCH INSTITUTE'S (EPRI'S) COAL CLEANING TEST FACILITY AT PENELEC'S HOMER CITY STATION

BUILDINGS: N/A

COLLECTIONS: ALL EPRI REPORTS ARE AVAILABLE IN HARD COPY AND MICROFICHE; SEMI-ANNUAL PROGRESS REPORTS ON EACH RESEARCH AND DEVELOPMENT PROJECT ARE PRODUCED; THE GPU SYSTEM LIBRARIES HAVE ON-LINE ACCESS CAPABILITY TO THE ELECTRIC POWER DATA BASE SYSTEM (EPD/ROIS)

COOPERATIVE ARRANGEMENTS: MEMBER COMPANIES OF THE GPU SYSTEM INCLUDE; PENNSYLVANIA ELECTRIC COMPANY, METROPOLITAN EDISON COMPANY, JERSEY CENTRAL POWER & LIGHT COMPANY, GPU SERVICE CORPORATION, GPU NUCLEAR CORPORATION

OUTPUTS: N/A

366
GENERAL RADIATION CORPORATION
LEO W. PROCOPIO, DIRECTOR
GENERAL RADIATION CORPORATION
19 CENTRAL AVENUE
CHELTENHAM, PA 19012
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-663-0474

N.C.E.S. CODES
  14.100000
  14.130000
  14.270000
S.I.C. CODES
  366
  367
KEYWORDS
  ANTENNA TECHNOLOGY
  TRANSMISSION EQUIPMENT
  COMMUNICATION SYSTEMS
PERSONNEL
  8 RESEARCH PROFESSIONALS
  7 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $200000.00

FACILITIES: LABORATORY, MICROWAVE DARKROOM

BUILDINGS: N/A

COLLECTIONS: TEXTS AND PERIODICALS LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

367
GENERAL TESTING LABORATORIES, INC.
DENNIS R. SMALE, DIRECTOR

R&D SECTION
7293 PARK DRIVE, R.D. #3
BATH, PA 18014
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-837-1720

N.C.E.S. CODES
  2.059900
  14.140000
  40.070300
S.I.C. CODES
  739
KEYWORDS
  EVALUATION SYSTEMS
  MATERIALS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $100000.00

FACILITIES: COMPLETE MECHANICAL ANALYSIS FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WORKING ARRANGEMENTS WITH ALL LOCAL COLLEGES AND UNIVERSITIES

OUTPUTS: N/A

368
GENTEX CORPORATION
W. HARVEY JAGOE, DIRECTOR
LIFE SUPPORT RESEARCH AND DEVELOPMENT DIVISION
P.O. BOX 315
CARBONDALE, PA 18407
LACKAWANNA COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-282-3550

N.C.E.S. CODES
  14.190000
  14.280000
  14.110000
S.I.C. CODES
  384
  229
KEYWORDS
  LIFE SUPPORT SYSTEMS
  ENGINEERED TEXTILES
  PROTECTIVE GEAR
PERSONNEL
  4 RESEARCH PROFESSIONALS
  8 SUPPORT PROFESSIONALS
  8 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

FACILITIES: BALLISTICS TESTING LABORATORY; ACOUSTIC TESTING FACILITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

369
GEO. W. BOLLMAN & CO., INC.
MR. W. HEISEY, DIRECTOR
GEO. W. BOLLMAN & CO., INC.
110 EAST MAIN
ADAMSTOWN, PA 19501
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 215-484-4361

N.C.E.S. CODES
  40.050200
  40.059900
S.I.C. CODES
  229
  224
KEYWORDS
  WOOL FELT PRODUCTS
  STRAW HEADWEAR
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

370
GEOMETRIC DATA
DR. PETER WILDING, DIRECTOR
RESEARCH AND DEVELOPMENT
999 WEST VALLEY ROAD
WAYNE, PA 19067
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-687-6550

N.C.E.S. CODES
18.080000
18.090000
18.101800
S.I.C. CODES
384
KEYWORDS
HEMATOLOGY
EMANOLOGY
PATHOLOGY
PERSONNEL
20 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

371
GLEN-GERY CORPORATION
JACOB W. SCHNEIDER, DIRECTOR
RESEARCH CENTER
RT. 61, DRAWER S
SHOEMAKERSVILLE, PA 19555
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-562-3076

N.C.E.S. CODES
0
S.I.C. CODES
325
327
145
KEYWORDS
BRICK
CLAY
NEW PRODUCTS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $190000.00

FACILITIES: PHYSICAL AND CHEMICAL LABORATORY FOR TESTING CLAY, BRICKS AND CEMENT BLOCKS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

372
GLIDDEN C AND R DIVISION, SCM CORPORATION
RICHARD A. MARTIN, DIRECTOR
EASTERN REGION DEVELOPMENT LAB
3RD AND BERN STREETS
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-373-4111

N.C.E.S. CODES
40.050400
40.050600
14.180000
S.I.C. CODES
285
KEYWORDS
INDUSTRIAL PAINT FORMULATION
PERSONNEL
15 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

373
GLS ASSOCIATES, INC.
SUSAN C. SARGENT, DIRECTOR
GLS ASSOCIATES
1616 WALNUT STREET - SUITE 2002
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-735-6800

N.C.E.S. CODES
18.070100
18.070200
17.040000
S.I.C. CODES
806
808
809
KEYWORDS
HEALTH SERVICES
PERSONNEL

7 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF

FACILITIES: IBM-PC, XEROX 860 WP, XEROX 850 WP

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

374
GRADUATE HOSPITAL
ROBERT F. LOVELACE, DIRECTOR
MEDICAL RELATED RESEARCH
ONE GRADUATE PLAZA
PHILADELPHIA, PA 19146
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-893-7497

N.C.E.S. CODES
18.100100
18.102600
18.102400
S.I.C. CODES
806
KEYWORDS
MEDICAL RESEARCH
DISEASE MECHANISMS
DIAGNOSES
PERSONNEL
20 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
11 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1800000.00

FACILITIES: ANIMAL FACILITY; SCANNING AND TRANSMISSION ELECTRON MICROSCOPE; MICROSURGERY UNIT; COMPUTER; COLD LABORATORY

BUILDINGS: N/A

COLLECTIONS: BOCKUS RESEARCH INSTITUTE LIBRARY

COOPERATIVE ARRANGEMENTS: WITH THE UNIVERSITY OF PENNSYLVANIA AND TEMPLE UNIVERSITY

OUTPUTS: N/A

375
GRAFO COLLOIDS CORPORATION
A.R. NEWTON III, DIRECTOR
RESEARCH DEPARTMENT
DRAWER W
EMLENTON, PA 16373
VENANGO COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 412-867-2331

N.C.E.S. CODES
14.070000
S.I.C. CODES
28
289
KEYWORDS
COLLOIDAL
CHEMISTRY
LUBRICANTS AND RELEASES
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

376
GRAPHIC ARTS TECHNICAL FOUNDATION
DR. WILLIAM D. SCHAEFFER, DIRECTOR
RESEARCH DEPARTMENT
4615 FORBES AVE.
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-621-6941

N.C.E.S. CODES
10.019900
40.079900
S.I.C. CODES
27
275
869
KEYWORDS
PRINTING RESEARCH
LITHOGRAPHIC RESEARCH
PERSONNEL
15 RESEARCH PROFESSIONALS
11 SUPPORT PROFESSIONALS
22 TECHNICAL STAFF
25 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2990000.00

FACILITIES: PRINTING AND GRAPHIC REPRODUCTION

FACILITIES

BUILDINGS: N/A

COLLECTIONS: SPECIAL COLLECTION ON PRINTING

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

377
GRD/SSI
TIM DYSON, DIRECTOR
ADVANCED SENSOR/SIGNAL PROCESSING GROUP
444 JACKSONVILLE ROAD
WARMINSTER, PA 18974
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-674-5770

N.C.E.S. CODES
14.100000
27.030000
27.050000
S.I.C. CODES
381
489
KEYWORDS
SIGNAL DETECTION/ESTIMATION
OPTIMAL FILTERING
SIGNAL ANALYSIS/EXTRACTION
PERSONNEL
4 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $670000.00

FACILITIES: INTERDATA 8/16 COMPUTER SYSTEM; SPECTRAL DYNAMICS SIGNAL ANALYSIS EQUIPMENT; ZENITH DATA SYSTEMS Z-100 AND HEATH/ZENITH COMPUTER SYSTEMS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF ACOUSTIC, SPEECH AND SIGNAL PROCESSING/AUTOMATIC CONTROL/INFORMATION THEORY

COOPERATIVE ARRANGEMENTS: JOINT RESEARCH AND DEVELOPMENT WITH PRINCETON UNIVERSITY ISS LABORATORY; CONSULTANT FROM VILLANOVA UNIVERSITY

OUTPUTS: N/A

378
GREATER PITTSBURGH CHAMBER OF COMMERCE
MICHAEL D. KOSTIK, DIRECTOR
RESEARCH DIVISION
411 7TH AVENUE
PITTSBURGH, PA 15219
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-392-4527

N.C.E.S. CODES
45.100100
45.060100
44.050000
S.I.C. CODES
861
KEYWORDS
IMPROVE GOVERNMENT EFFICIENCY
DEMOGRAPHIC INFORMATION
COOPERATION PROJECTS
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE PITTSBURGH UNIVERSITIES - UNIVERSITY OF PITTSBURGH AND CARNEGIE-MELLON UNIVERSITY

OUTPUTS: N/A

379
GREENE, TWEED & CO., INC.
T.E. BERG, DIRECTOR
PRODUCT ENGINEERING
320 ELM AVENUE
NORTH WALES, PA 19454
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-256-9521

N.C.E.S. CODES
14.190000
14.180000
14.010000
S.I.C. CODES
306
307
KEYWORDS
MATERIALS DEVELOPMENT
HYDRAULIC SEALING
DESIGN AND APPLICATION
PERSONNEL
5 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT = $340000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

380
GROUP ONE RESEARCH, INC.
N/A, DIRECTOR
GROUP ONE RESEARCH, INC.
400 GRANITE BUILDING
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-261-6868

N.C.E.S. CODES
  8.030400
  6.140000
  8.040000
S.I.C. CODES
  60
  612
  806
KEYWORDS
  CUSTOMER OPINION STUDIES
  MARKETING STRATEGY PLANNING
  FEASIBILITY STUDIES
PERSONNEL
  3 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

381
GROVE CITY COLLEGE
DR. FRED BRENNER, DIRECTOR
BIOLOGY DEPARTMENT
BIOLOGY DEPARTMENT
GROVE CITY, PA 16127
MERCER COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 412-458-6600 EXT 281

N.C.E.S. CODES
  3.010000
  3.010100
S.I.C. CODES
  12
KEYWORDS
  ECOLOGY
  RECLAMATION
  SURFACE MINES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2700.00
  SOURCES: NATIONAL RIFLE ASSOCIATION; WILD TURKEY FEDERATION; MERCER CO.
PAST FUNDING
  AVERAGE AMOUNT = $2000.00
  SOURCES: NATIONAL RIFLE ASSOCIATION; MERCER CO.

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: U.S. SOIL CONSERVATION SERVICE; LOCAL MINING COMPANIES

OUTPUTS: OVER 85 PUBLICATIONS

382
GTE PRODUCTS CORPORATION
JOHN W. SHAFFER, DIRECTOR
MONTOURSVILLE PRODUCT DEVELOPMENT SECTION
1050 EAST BROAD STREET
MONTOURSVILLE, PA 17754
LYCOMING COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-368-2691

N.C.E.S. CODES
  14.990000
  14.180000
S.I.C. CODES
  386
KEYWORDS
  PHOTOFLASH
  LIGHTING
PERSONNEL
  6 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $390000.00

FACILITIES: UV, VISUAL, NEAR IR, AND IR SPECTROPHOTOMETRY, OMA OPTICAL SPECTRAL ANALYSIS, PHOTOMETRY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

383
GTR PLASTIC FILM COMPANY - JEANNETTE DIVISION
ARNOLD R. COLECCHIA, DIRECTOR
RESEARCH AND DEVELOPMENT
CHAMBERS AVENUE
JEANNETTE, PA 15644
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-523-5441

N.C.E.S. CODES
  40.050100
  40.050200
  40.059900
S.I.C. CODES
  282
KEYWORDS
  CUSTOMER SERVICE
  PROFIT OPTIMIZATION
PERSONNEL
  4 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $500000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

384
GULF AND WESTERN INDUSTRIES, INC.
W.S. CASTOR, DIRECTOR
ZERBE RESEARCH CENTER
ONE HIGHLAND AVENUE
BETHLEHEM, PA 18017
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-866-9235

N.C.E.S. CODES
  40.050300
  40.050600
  40.050200
S.I.C. CODES
  281
  289
  327
KEYWORDS
  PIGMENT
  SLURRIES
PERSONNEL
  3 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

FACILITIES: SOPHISTICATED TOOLS FOR CHEMICAL AND PHYSICAL ANALYSIS (SPECTROSCOPY AND PARTICLE-SIZE ASSESSMENT); LAB-SCALE PAPERMAKING MACHINE AND FLUIDIZED-BED REACTOR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

385
GULF OIL CORPORATION
DR. RICHARD E. WAINERDI, DIRECTOR
GULF RESEARCH AND DEVELOPMENT COMPANY
P.O. DRAWER 2038
PITTSBURGH, PA 15230
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-665-2800

N.C.E.S. CODES
  30.030100
  40.060000
  40.050000
S.I.C. CODES
  131
  291
  289
KEYWORDS
  OIL EXPLORATION
  NEW PROCESS CATALYST
  OIL PRODUCTION
PERSONNEL
  600 RESEARCH PROFESSIONALS
  90 SUPPORT PROFESSIONALS
  370 TECHNICAL STAFF
  175 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $120000000.00

FACILITIES: PILOT PLANTS, ANALYTICAL INSTRUMENTATION; MASS SPECTROMETRY, X-RAY DIFFRACTION, NUCLEAR ACTIVATION, NMR, INFRARED SPECTROMETRY, LIQUID AND GAS CHROMATOGRAPHY, STANDARD ASTM TEST FACILITIES

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

386
GUNTER GEIGER SYSTEMS LTD.
GUNTER GEIGER, DIRECTOR
CONSULTING MANAGEMENT
P.O. BOX 638
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-935-9000

N.C.E.S. CODES
  3.030400
  3.030500
  6.060100
S.I.C. CODES
  8
  24
  26
KEYWORDS
  INCREASING PRODUCTIVITY
  DECREASING MFG. COSTS
  RETURN ON INVESTMENTS
PERSONNEL
  20 RESEARCH PROFESSIONALS
  12 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  6 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

387
GUTHRIE FOUNDATION MEDICAL RESEARCH
DR. S. LITWIN, DIRECTOR
GUTHRIE RESEARCH INSTITUTE
GUTHRIE FOUNDATION MEDICAL RESEARCH
SAYRE, PA 18840
BRADFORD COUNTY
NORTHERN TIER DEVELOPMENT REGION
PHONE: N/A

N.C.E.S. CODES
  18.100900
  18.029900
S.I.C. CODES
  99
KEYWORDS
  BIOMEDICAL RESEARCH
  HUMAN IMMUNOLOGY
PERSONNEL
  4 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  9 TECHNICAL STAFF
  7 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $500000.00

FACILITIES: BIOMEDICAL RESEARCH LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

388
H.J. HEINZ
H.S. HARROW, DIRECTOR
TECHNICAL DEPARTMENT
P.O. BOX 57
PITTSBURGH, PA 15230
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-237-5700

N.C.E.S. CODES
  2.030000
  1.040000
  14.070000
S.I.C. CODES
  99
KEYWORDS
  FOOD PRODUCTS
  INGREDIENTS
  TOXICOLOGY AND RELATED SCIENCES
PERSONNEL
  30 RESEARCH PROFESSIONALS
  130 SUPPORT PROFESSIONALS
  350 TECHNICAL STAFF
  80 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $6000000.00

FACILITIES: PILOT SCALE FOOD PROCESSING EQUIPMENT; ANALYTICAL EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE LIBRARY WITH EMPHASIS ON FOOD SCIENCES AND TECHNOLOGY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

389
H.K. COOPER CLINIC (LANCASTER CLEFT PALATE
CLINIC)
DR. ROSS E. LONG, DIRECTOR
RESEARCH DIVISION
24 NORTH LIME STREET
LANCASTER, PA 17602
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-394-3793

N.C.E.S. CODES
  17.080000
  18.010300
  18.040400
S.I.C. CODES
  801
  802
  808
KEYWORDS
  CLEFT LIP AND PALATE
  ORAL FACIAL DISORDERS
  HABILITATION
PERSONNEL
  4 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: HERSHEY MEDICAL CENTER, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY OF PENNSYLVANIA, UNIVERSITY OF PITTSBURGH, UNIVERSITY OF MARYLAND, ALBERT EINSTEIN MEDICAL CENTER

OUTPUTS: N/A

390
HAHNEMANN UNIVERSITY
DR. A. VAIDYA, DIRECTOR
BREAST CANCER RESEARCH LABS - DEPARTMENT OF MICROBIOLOGY
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8273

N.C.E.S. CODES
  26.040200
  18.100900
  26.050000
S.I.C. CODES
  99
KEYWORDS
  MOLECULAR BIOLOGY
  CELLULAR IMMUNOLOGY
  IMMUNOCHEMISTRY
PERSONNEL
  4 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $294100.00
  SOURCES: NATIONAL INSTITUTES OF HEALTH; AMERICAN CANCER SOCIETY
PAST FUNDING
  AVERAGE AMOUNT = $250675.00
  SOURCES: NATIONAL INSTITUTES OF HEALTH; AMERICAN CANCER SOCIETY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL RESEARCH ARTICLES IN PROFESSIONAL JOURNALS

391
HAHNEMANN UNIVERSITY
DR. BERNARD L. SEGAL, DIRECTOR
CARDIOVASCULAR INSTITUTE
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8063

N.C.E.S. CODES
  18.109900
S.I.C. CODES
  99
KEYWORDS
  CORONARY HEART DISEASE
  NUCLEAR CARDIOLOGY
  ECHOCARDIOGRAPHY
PERSONNEL
  15 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  8 TECHNICAL STAFF
  15 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $750000.00
  SOURCES: PHARMACEUTICAL INDUSTRIES; AMERICAN HEART ASSOCIATION
PAST FUNDING
  AVERAGE AMOUNT = $150000.00
  SOURCES: PHARMACEUTICAL INDUSTRIES; AMERICAN HEART ASSOCIATION

FACILITIES: CLINICAL AND BASIC RESEARCH FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL RESEARCH PAPERS

392
HAHNEMANN UNIVERSITY
DR. PETER S. AMENTA, DIRECTOR
DEPARTMENT OF ANATOMY
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8200

N.C.E.S. CODES
  26.040100
  26.060800
  26.060100
S.I.C. CODES
  99
KEYWORDS
  CELL BIOLOGY
  NEUROSCIENCES
  ANATOMY
PERSONNEL
  11 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  10 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $27530.00
  SOURCES: NASA-AMES; INSTITUTIONAL SUPPORT GRANTS
PAST FUNDING
  AVERAGE AMOUNT = $21808.00
  SOURCES: NASA-AMES; INSTITUTIONAL SUPPORT GRANTS

FACILITIES: ZEISS EM9 ELECTRON MICROSCOPE; STEREOTAXIC EQUIPMENT; SCANNING EM PREPARATION EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SMALL DEPARTMENTAL LIBRARY; RAYMOND C. TRUEX MUSEUM OF ANATOMY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE UNIVERSITY OF PENNSYLVANIA FOR THE USE OF SCANNING EM

OUTPUTS: NUMEROUS ARTICLES IN PROFESSIONAL PUBLICATIONS

393
HAHNEMANN UNIVERSITY
DR. THOMAS M. DEVLIN, DIRECTOR
DEPARTMENT OF BIOLOGICAL CHEMISTRY
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-7947

N.C.E.S. CODES
  26.020000
  26.040200
  18.020200
S.I.C. CODES
  283
KEYWORDS
  BIOCHEMICALS
  BIOENERGETICS
  DRUG EFFECTS
PERSONNEL
  10 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  22 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00
  SOURCES: OFFICE OF NAVAL RESEARCH; NIH; HEART ASSOCIATION
PAST FUNDING
  AVERAGE AMOUNT = $283876.00
  SOURCES: OFFICE OF NAVAL RESEARCH; NIH; HEART ASSOCIATION

FACILITIES: EQUIPPED WITH MODERN BIOCHEMICAL RESEARCH LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH PUBLICATIONS IN BIOCHEMICAL JOURNALS

394
HAHNEMANN UNIVERSITY
DR. JEROME J. PLATT, DIRECTOR
DEPARTMENT OF MENTAL HEALTH SCIENCES
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8109

N.C.E.S. CODES
  17.040000
  18.102300
  42.000000
S.I.C. CODES
  99
KEYWORDS
  PSYCHOLOGY

INTERVENTION
SOCIAL WORK
PERSONNEL
10 RESEARCH PROFESSIONALS
40 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $158200.00
SOURCES: NIMH; PHILA. CODAAP; NIH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH REPORTS

395
HAHNEMANN UNIVERSITY
DR. EMANUEL RUBIN, DIRECTOR
DEPARTMENT OF PATHOLOGY
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8520

N.C.E.S. CODES
18.101800
40.080200
S.I.C. CODES
99
KEYWORDS
ALCOHOL ABUSE
CELLULAR CHANGE
PERSONNEL
13 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $495000.00
SOURCES: NIH

FACILITIES: EPR LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE UNIVERSITY OF PENNSYLVANIA

OUTPUTS: N/A

396
HAHNEMANN UNIVERSITY
DR. JOSEPH C. TORRES, DIRECTOR
DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS
BROAD AND VINE STREETS
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8216

N.C.E.S. CODES
18.020500
S.I.C. CODES
99
KEYWORDS
HYPERTENSION
CARDIOVASCULAR SHOCK
BRONCHIAL CIRCULATION
PERSONNEL
10 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $631882.00
SOURCES: NATIONAL HEART, LUNG, AND BLOOD INSTITUTE; AMERICAN HEART ASSOCIATION; DEPARTMENTAL FACULTY RESEARCH ALLOCATIONS
PAST FUNDING
AVERAGE AMOUNT = $586726.00
SOURCES: NATIONAL HEART, LUNG AND BLOOD INSTITUTE; AMERICAN HEART ASSOCIATION; DEPARTMENTAL FACULTY RESEARCH ALLOCATIONS

FACILITIES: ANIMAL X-RAY; TREADMILL; CARDIOVASCULAR OPERATING ROOM; MACHINE SHOP; TWO DARK ROOMS

BUILDINGS: N/A

COLLECTIONS: THE JOHN C. SCOTT LIBRARY OF PHYSIOLOGY AND BIOPHYSICS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH PUBLICATION AND BOOK CHAPTER CONTRIBUTIONS

397
HAHNEMANN UNIVERSITY
DR. NOBUTO YAMAMOTO, DIRECTOR
DR. YAMAMOTO'S LABORATORY - DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8276

N.C.E.S. CODES
26.070300
S.I.C. CODES
99
KEYWORDS
GENETIC EVOLUTION OF VIRUSES
HOST RESPONSE
KIDNEY GROWTH FACTOR
PERSONNEL
1 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $45724.00
SOURCES: U.S. ARMY CONTRACT
PAST FUNDING
AVERAGE AMOUNT = $48515.00
SOURCES: U.S. ARMY CONTRACT

FACILITIES: SPINCO CENTRIFUGE; SCINTILLATION COUNTER; SORVALL CENTRIFUGE; THREE BACTERIA INCUBATORS; FOUR CO2 INCUBATORS; BECKMAN SPECTROPHOTOMETER

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF VIROLOGY, CANCER RESEARCH, JOURNAL OF VIROLOGY, JOURNAL OF BACTERIOLOGY, PHOTOCHEMISTRY AND OTHER RESEARCH MATERIALS

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH NAGASAKI UNIVERSITY AND TEMPLE UNIVERSITY

OUTPUTS: VARIOUS PUBLICATIONS

398
HAHNEMANN UNIVERSITY
DR. DOUGLAS S. HOLSCLAW, DIRECTOR
HAHNEMANN CYSTIC FIBROSIS RESEARCH CENTER
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-7766

N.C.E.S. CODES
18.101900
S.I.C. CODES
801
KEYWORDS
INTERDISCIPLINARY PATIENT CARE
CYSTIC FIBROSIS
HEALTH CARE TRAINING
PERSONNEL
3 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $238446.00
SOURCES: CF FOUNDATION; HEW-MATERNAL AND CHILD HEALTH; HAHNEMANN UNIVERSITY; COMMONWEALTH OF PENNSYLVANIA; PATIENT CARE; HOSPITAL
PAST FUNDING
AVERAGE AMOUNT = $216173.00
SOURCES: CF FOUNDATION; HEW-MATERNAL AND CHILD HEALTH; HAHNEMANN UNIVERSITY; COMMONWEALTH OF PENNSYLVANIA; PATIENT CARE; HOSPITAL

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY ON PEDIATRIC PULMONARY DISEASE, ESPECIALLY CYSTIC FIBROSIS, WITH SLIDES, TAPES, AND AUDIO-VISUAL MATERIAL

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH LEHIGH UNIVERSITY; THE UNIVERSITY OF PENNSYLVANIA; ALBERT EINSTEIN MEDICAL CENTER, NORTHERN DIVISION; IMPERIAL CHEMICAL INDUSTRIES AMERICAS

OUTPUTS: CLINICAL TESTING OF NEW PANCREATIC ENZYME PRODUCT; THEOPHYLLINE PHARMACOKINETICS; INCIDENCE OF LEGIONNAIRE'S DISEASE IN CYSTIC FIBROSIS; PROTEASE ACTIVITY IN SPUTUM; DEVELOPMENT OF MONOCLONAL ANTIBODIES SPECIFIC TO PATIENTS WITH CYSTIC FIBROSIS

399
HAHNEMANN UNIVERSITY
DR. JACK LEFROCK, DIRECTOR
INFECTIOUS DISEASE CENTER
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8055

N.C.E.S. CODES
18.100900
18.101000
18.101800
S.I.C. CODES
808
807
809
KEYWORDS
ANTIBODIC AGENTS
IMMUNOLOGY
INFECTIOUS DISEASE
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $306408.00
SOURCES: NIH; DRUG COMPANIES

148

PAST FUNDING
AVERAGE AMOUNT = $240450.00
SOURCES: NIH; DRUG COMPANIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NIH PROGRESS REPORTS; DRUG COMPANIES REPORTS

400
HAHNEMANN UNIVERSITY
DR. WILLIAM A. CARTER, DIRECTOR
INTERFERON, DIFFERENTIATION AND ONCOGENESIS
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8026

N.C.E.S. CODES
18.080000
18.020000
26.040100
S.I.C. CODES
283
KEYWORDS
INTERFERON
CHRONIC LEUKEMIA THERAPY
BIOLOGY OF CANCER
PERSONNEL
10 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
9 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $898624.00
SOURCES: NCI-NIH
PAST FUNDING
AVERAGE AMOUNT = $1056841.00
SOURCES: NCI-NIH

FACILITIES: CENTRIFUGES; BIOHAZARD HOODS; LIQUID NITROGEN; FREEZERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH A DOCTOR AT JOHNS HOPKINS UNIVERSITY IN BALTIMORE, MD

OUTPUTS: N/A

401
HAHNEMANN UNIVERSITY
DR. RICHARD L. CROWELL, DIRECTOR
LANGBORD VIRUS LABORATORY - DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8273

N.C.E.S. CODES
26.050000
26.069900
S.I.C. CODES
99
KEYWORDS
COXSACKIEVIRUSES
IMMUNOLOGY
TISSUE CULTURE
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $85073.00
SOURCES: NATIONAL INSTITUTES OF HEALTH
PAST FUNDING
AVERAGE AMOUNT = $82046.00
SOURCES: NATIONAL INSTITUTES OF HEALTH

FACILITIES: BIOHAZARD HOOD; ULTRACENTRIFUGE; GAMMA COUNTER; SCINTILLATION COUNTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SCIENTIFIC PUBLICATIONS OF ORIGINAL RESEARCH; REVIEW PUBLICATIONS

402
HAHNEMANN UNIVERSITY
DR. RAPHAEL DEHORATIUS, DIRECTOR
LUPUS STUDY CENTER
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8131

N.C.E.S. CODES
18.100900
18.101000
18.101800
S.I.C. CODES
/t/t/t/t808
807

809
KEYWORDS
SLE
IMMUNOLOGY
LUPUS
PERSONNEL
6 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $280000.00
SOURCES: NIH; COMMONWEALTH OF PENNSYLVANIA; LUPUS FOUNDATIONS
PAST FUNDING
AVERAGE AMOUNT = $280000.00
SOURCES: NIH; COMMONWEALTH OF PENNSYLVANIA; LUPUS FOUNDATIONS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH TEMPLE UNIVERSITY

OUTPUTS: NIH PROGRESS REPORTS; MANUSCRIPTS; CONTRIBUTIONS TO BOOKS; SYMPOSIA

403
HAHNEMANN UNIVERSITY
N/A, DIRECTOR
MALARIA RESEARCH GROUP (UNIT) - DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8277

N.C.E.S. CODES
26.069900
26.040200
26.070300
S.I.C. CODES
99
KEYWORDS
IMMUNOLOGY
MOLECULAR BIOLOGY
GENETICS
PERSONNEL
4 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $282889.00
SOURCES: WORLD HEALTH ORGANIZATION; NATIONAL INSTITUTES OF HEALTH
PAST FUNDING
AVERAGE AMOUNT = $207449.00
SOURCES: WORLD HEALTH ORGANIZATION; NATIONAL INSTITUTES OF HEALTH

FACILITIES: STANDARD LABORATORY EQUIPMENT; EQUIPMENT TO PERFORM TISSUE CULTURE WORK, ANTIBODY FORMATION IN VITRO, T CELL HYBIDOMAS, B CELL HYBRIDOMAS; SOPHISTICATED IMMUNOCHEMICAL AND BIOCHEMICAL FRACTIONATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH A DOCTOR AT THE UNIVERSITY OF PENNSYLVANIA AND A DOCTOR AT THE UNIVERSITY OF NORTH CAROLINA

OUTPUTS: VARIOUS PUBLICATIONS

404
HAHNEMANN UNIVERSITY
DR. HENRY ROSENBERG, DIRECTOR
MALIGNANT HYPERTHERMIA RESEARCH CENTER AND PSEUDOCHOLINESTERASE RESEARCH
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-7760

N.C.E.S. CODES
18.100300
18.102400
S.I.C. CODES
99
KEYWORDS
MUSCLE BIOPSY
MALIGNANT HYPERTHERMIA
DIAGNOSIS
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $30000.00
SOURCES: HAHNEMANN UNIVERSITY; INDUSTRY GRANTS
PAST FUNDING
AVERAGE AMOUNT = $30000.00
SOURCES: HAHNEMANN UNIVERSITY

FACILITIES: GAS CHROMATOGRAPHY

BUILDINGS: N/A

COLLECTIONS: MAINTAINS AN ANESTHESIA LIBRARY

COOPERATIVE ARRANGEMENTS: BETWEEN DEPARTMENTS OF THE UNIVERSITY

OUTPUTS: SEVERAL PROFESSIONAL PUBLICATIONS

405
HAHNEMANN UNIVERSITY
DR. PERRY BLACK, DIRECTOR
NEUROSURGICAL RESEARCH LABORATORIES
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8072

N.C.E.S. CODES
18.101100
S.I.C. CODES
407
808
KEYWORDS
SPINAL CORD INJURY
FETAL HYDROCEPHALUS
PAIN MANAGEMENT
PERSONNEL
8 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $582000.00
SOURCES: NIH CONTRACT; NIH BIOMEDICAL RESEARCH SUPPORT GRANT; AMERICAN HEYER SCHULTE CORPORATION

FACILITIES: LABORATORY FACILITIES FOR SPINAL CORD AND FETAL STUDIES; INPATIENT AND OUTPATIENT FACILITIES FOR CLINICAL STUDIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A DEPARTMENTAL LIBRARY

COOPERATIVE ARRANGEMENTS: BETWEEN DEPARTMENTS OF THE UNIVERSITY

OUTPUTS: PILOT WORK IN SPINAL CORD INJURY RESULTING IN NIH CONTRACT FOR FURTHER STUDIES; SUBMISSION OF PREPARATION OF RESEARCH PROTOCOL;

406
HAHNEMANN UNIVERSITY
DR. FREDERICK WHEELOCK, DIRECTOR
PATHOLOGY
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-3760

N.C.E.S. CODES
18.011800
18.101800
S.I.C. CODES
99
KEYWORDS
TUMORS
VIRUSES
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $264450.00
SOURCES: NIH; NATIONAL CANCER FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $39736.00
SOURCES: NIH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NIH PROGRESS REPORTS; PUBLICATIONS

407
HAHNEMANN UNIVERSITY
DR. JOHN FARBER, DIRECTOR
PATHOLOGY
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8433

N.C.E.S. CODES
18.101800
S.I.C. CODES
99
KEYWORDS
LIVER
LIVER NECROSIS
LIVER INJURY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $189530.00
SOURCES: NIH
PAST FUNDING
AVERAGE AMOUNT = $79211.00
SOURCES: NIH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NIH PROGRESS REPORTS; PUBLICATIONS

408
HAHNEMANN UNIVERSITY
DR. I. DAMJANOV, DIRECTOR
PATHOLOGY
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-3745

N.C.E.S. CODES
  18.101800
S.I.C. CODES
  99
KEYWORDS
  TERATOMAS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $120663.00
  SOURCES: NIH
PAST FUNDING
  AVERAGE AMOUNT = $108729.00
  SOURCES: NIH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NIH PROGRESS REPORTS; PUBLICATIONS

409
HAHNEMANN UNIVERSITY
DR. B. FALKNER, DIRECTOR
PEDIATRIC NEPHROLOGY AND HYPERTENSION
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-7708

N.C.E.S. CODES
  18.101900
  18.109900
  18.102200
S.I.C. CODES
  99
KEYWORDS
  BLOOD PRESSURE
  ADOLESCENTS
  STRESS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00
  SOURCES: CONTRACT, DRUG COMPANY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PUBLICATIONS, CHAPTER CONTRIBUTIONS, AND ABSTRACTS

410
HAHNEMANN UNIVERSITY
DR. DAVID WOO, DIRECTOR
RADIOPHARMACEUTICAL DEVELOPMENT
230 NORTH BROAD STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-448-8423

N.C.E.S. CODES
  17.020800
S.I.C. CODES
  99
KEYWORDS
  RADIOPHARMACEUTICALS
  CANCER
PERSONNEL
  2 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $93000.00
  SOURCES: W.W. SMITH FOUNDATION; ELSE PARDEE FOUNDATION
PAST FUNDING
  AVERAGE AMOUNT = $62000.00
  SOURCES: W.W. SMITH FOUNDATION

FACILITIES: LIQUID SCINTILLATION COUNTER, SEAVLE AUTO-GAMMA COUNTER, PERKIN ELMER HIGH PERFORMANCE LIQUID CHROMATOGRAPH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH LEHIGH UNIVERSITY HEALTH SCIENCES CENTER

OUTPUTS: HEART IMAGING WITH LIPO-PHILIC CATIONS; MONOCLONAL ANTIBODIES

411
HALE FIRE PUMP COMPANY
MR. KALMAN BROITMAN, DIRECTOR
RESEARCH & DEVELOPMENT DEPARTMENT
700 SPRING HILL AVE.
CONSHOHOCKEN, PA 19428
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-825-6300 EXT. 152
N.C.E.S. CODES
14.190000
14.990000
1.029900
S.I.C. CODES
352
353
359
KEYWORDS
IMPROVED PUMPING SYSTEMS
PUMPING CONFIGURATIONS
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $160000.00

FACILITIES: TEST PITS, DYNOMOMETERS, DEVELOPMENT MACHINE SHOP, TEST INSTRUMENTATION AND TOOLING, STANDARDS

BUILDINGS: N/A

COLLECTIONS: ENGINEERING SOURCE MATERIAL

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

412
HALL INDUSTRIES INC.
N/A, DIRECTOR
HALL INDUSTRIES INC.
201 EAST CARSON STREET
PITTSBURGH, PA 15219
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-481-1100

N.C.E.S. CODES
14.100000
14.190000
14.040000
S.I.C. CODES
345
349
361
KEYWORDS
ELECTRO-MECHANICAL EQUIPMENT DEVELOPMENT
ROBOTICS
EQUIPMENT APPLICATION CONSULTATION
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

FACILITIES: ELECTRICAL, ELECTRONIC AND MECHANICAL TEST EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A COLLECTION OF GENERAL HANDBOOKS, TEXT AND SPECIFIC INFORMATION

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH CARNEGIE-MELLON UNIVERSITY

OUTPUTS: N/A

413
HALSEY INDUSTRIAL SYSTEMS, INC.
GEORGE H. HALSEY, DIRECTOR
HALSEY INDUSTRIAL SYSTEMS, INC.
63 SHADY DRIVE
INDIANA, PA 15701
INDIANA COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-463-8144

N.C.E.S. CODES
14.180000
S.I.C. CODES
351
371
KEYWORDS
HYDRAULICS
AUTOMOTIVE
MOTORS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

414
HAMILTON BANK
HAL LANDIS, DIRECTOR
MARKET RESEARCH
1097 COMMERCIAL AVENUE
LANCASTER, PA 17601
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-569-8731

N.C.E.S. CODES
  3.040000
S.I.C. CODES
  602
KEYWORDS
  SITE LOCATION TESTING
  ADVERTISING TESTING
  NEW PRODUCT RESEARCH
PERSONNEL
  2 RESEARCH PROFESSIONALS
  7 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $225000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

415
HAMILTON TECHNOLOGY, INC.
JOHN O. JAMES, DIRECTOR
DEVELOPMENT ENGINEERING
P.O. BOX 4787, 101-121 NORTH QUEEN STREET
LANCASTER, PA 17603
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-299-2581 EXT. 294

N.C.E.S. CODES
  14.100000
  14.190000
  14.990000
S.I.C. CODES
  348
KEYWORDS
  MECHANICAL DESIGN
  ELECTROMECHANICAL DEVELOPMENT
  ELECTRONIC PRECISION DEVICES
PERSONNEL
  13 RESEARCH PROFESSIONALS
  10 SUPPORT PROFESSIONALS
  8 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $3500000.00

FACILITIES: PROTOTYPE MACHINE SHOP; PROTOTYPE ASSEMBLY AREAS; ELECTRONIC LABORATORY; DESIGN AND DRAFTING AREA; WHITE ROOM FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

416
HAMMERMILL PAPER COMPANY
DR. R.W. BROWN, DIRECTOR
CORPORATE RESEARCH AND ENGINEERING
1540 EAST LAKE ROAD
ERIE, PA 16533
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-456-8811

N.C.E.S. CODES
  3.040600
  3.040300
S.I.C. CODES
  261
  262
  264
KEYWORDS
  APPLIED RESEARCH
  NEW PRODUCTS
  NEW PROCESSES
PERSONNEL
  29 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  9 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2400000.00

FACILITIES: PULP AND PAPER RESEARCH PILOT EQUIPMENT, ANALYTICAL INSTRUMENTATION - GC, HPLC, SEM, EDX

BUILDINGS: CORPORATE RESEARCH LABORATORY PILOT PLANT

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

417
HAND REHABILITATION FOUNDATION
DR. JAMES M. HUNTER, DIRECTOR
HAND REHABILITATION FOUNDATION
901 WALNUT STREET

PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-692-0980

N.C.E.S. CODES
  17.080000
  18.101600
  18.102100
S.I.C. CODES
  801
  809
KEYWORDS
  HAND REHABILITATION
  MICROSURGERY
  WORK EVALUATION
PERSONNEL
  4 RESEARCH PROFESSIONALS
  8 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  10 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $75000.00

BUILDINGS: N/A

COLLECTIONS: MEDICAL LIBRARY

COOPERATIVE ARRANGEMENTS: WITH THOMAS JEFFERSON UNIVERSITY

OUTPUTS: N/A

418
HANOVER RESEARCH AND DEVELOPMENT, INC.
DR. F.W. GIACOBBE, DIRECTOR
HANOVER RESEARCH AND DEVELOPMENT, INC.
1086 HUNTLEIGH DRIVE
NAPERVILLE, IL 60540
COUNTY
DEVELOPMENT REGION
PHONE: 312-369-1536

N.C.E.S. CODES
  6.140200
  11.010000
  30.030000
S.I.C. CODES
  362
  381
  737
KEYWORDS
  COMPUTER DATA PROCESSING
  ELECTRICAL EQUIPMENT
  LITERATURE SEARCH

FACILITIES: THE MOST MODERN STATE-OF-THE-ART COMPUTER SEARCHING HARDWARE AND INFORMATION RETRIEVAL SYSTEMS

BUILDINGS: N/A

COLLECTIONS: COMPUTER ACCESS TO ALL MAJOR AND MINOR COLLECTIONS OF LITERATURE IN ENGINEERING, SCIENCE, LAW, MEDICINE, AND OTHER FIELDS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

419
HARBISON-WALKER REFRACTRIES CO.
F.H. WALTHER, DIRECTOR
GARBER RESEARCH CENTER
P.O. BOX 98037
PITTSBURGH, PA 15227
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-469-3880

N.C.E.S. CODES
  14.060000
  14.180000
S.I.C. CODES
  324
  325
  326
KEYWORDS
  REFRACTORIES
  INDUSTRIAL CERAMICS
PERSONNEL
  14 RESEARCH PROFESSIONALS
  12 SUPPORT PROFESSIONALS
  25 TECHNICAL STAFF
  14 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $3500000.00

FACILITIES: PILOT PLANT INCLUDING PRESSES, MIXERS, CRUSHING AND GRADING EQUIPMENT, DRYERS AND KILNS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A TECHNICAL LIBRARY FOR REFRACTORIES AND RELATED APPLICATIONS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

420
HARRISTOWN DEVELOPMENT CORPORATION
RUSSEL C. FORD, DIRECTOR
DEVELOPMENT DIVISION
333 MARKET STREET, P.O. BOX 1224
HARRISBURG, PA 17108
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-236-5061

N.C.E.S. CODES
  4.030000
  6.170100
  9.050000
S.I.C. CODES
  961
  655
KEYWORDS
  PLANNING AND DEVELOPMENT
  REVITALIZATION
  ANALYSIS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $4000000.00

BUILDINGS: STRAWBERRY SQUARE MIXED USE RETAIL CENTER

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

421
HARRY J. WOEHR & ASSOCIATES INC.
DR. HARRY J. WOEHR, DIRECTOR
HARRY J. WOEHR & ASSOCIATES INC.
1429 WALNUT STREET, 12TH FLOOR
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-567-0834

N.C.E.S. CODES
  42.090000
  6.160000
  7.050000
S.I.C. CODES
  899
KEYWORDS
  MOTIVATION OF MANAGERS
  COMMUNICATION
  ORGANIZATION OF PLANNING
PERSONNEL
  6 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: UTILIZE SPECIAL MATERIALS DEVELOPED BY SURVEY AND RESEARCH

COOPERATIVE ARRANGEMENTS: FUNDED BY INDUSTRIAL BILLINGS

OUTPUTS: N/A

422
HARRY MILLER CORP.
MR. NICHOLAS W. ARIAO, DIRECTOR
LABORATORY
4TH AND BRISTOL STREETS
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-324-4000

N.C.E.S. CODES
  40.050400
  40.050200
  40.070100
S.I.C. CODES
  289
  284
  286
KEYWORDS
  CHEMICAL INHIBITORS
  LUBRICANTS
  LUBRICATION
PERSONNEL
  5 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $200000.00

FACILITIES: TEST EQUIPMENT; ANALYTICAL EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

423
HAVERFORD COLLEGE
DR. R.B. PARTRIDGE, DIRECTOR
ASTRONOMY
DEPARTMENT OF ASTRONOMY
HAVERFORD, PA 19041
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-896-1144

N.C.E.S. CODES
  40.030000
S.I.C. CODES
  892
KEYWORDS
  COSMOLOGY
  ASTRONOMY

RADIO ASTRONOMY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $49000.00
SOURCES: NATIONAL SCIENCE FOUNDATION AND NATO
PAST FUNDING
AVERAGE AMOUNT = $27000.00
SOURCES: NATIONAL SCIENCE FOUNDATION AND NATO

FACILITIES: A TWO METER DIAMETER RADIO TELESCOPE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

424
HAY ASSOCIATES
DR. HAROLD E. GLASS, DIRECTOR
STRATEGIC MANAGEMENT GROUP
229 SOUTH 18TH STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-635-4096

N.C.E.S. CODES
6.050000
8.990000
10.010000
S.I.C. CODES
94
73
KEYWORDS
MARKET RESEARCH
MANAGEMENT CONSULTING
STRATEGIC PLANNING
PERSONNEL
100 RESEARCH PROFESSIONALS
1000 SUPPORT PROFESSIONALS
200 TECHNICAL STAFF
200 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

425
HEALTH EDUCATION CENTER OF THE HEALTH &
WELFARE PLANNING ASSOCIATION
WILLIAM J. KORWINSKI, DIRECTOR
EVALUATION DIVISION
200 ROSS STREET
PITTSBURGH, PA 15219
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-392-3117

N.C.E.S. CODES
18.060000
18.070200
17.040000
S.I.C. CODES
808
KEYWORDS
HEALTH EDUCATION NEEDS ASSESSMENT
HEALTH EDUCATION PROGRAM EVALUATION
HEALTH RISK APPRAISAL
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $60000.00

BUILDINGS: N/A

COLLECTIONS: COLLECTION OF VITAL STATISTICS, HEALTH RISK AND APPRAISAL INSTRUMENTS

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE UNIVERSITY OF PITTSBURGH'S SCHOOLS OF BUSINESS, PUBLIC HEALTH, AND SOCIAL WORK

OUTPUTS: N/A

426
HEALTH RESEARCH AND SERVICES FOUNDATION
MRS. NANCY L. PHILLIPS, DIRECTOR
HEALTH PROJECTS
200 ROSS STREET
PITTSBURGH, PA 15219
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-261-6010, EXT. 327

N.C.E.S. CODES
17.000000
18.000000
S.I.C. CODES
809
806
KEYWORDS
HEALTH RELATED RESEARCH
HEALTH
PERSONNEL
19 RESEARCH PROFESSIONALS

73 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

427
HEALTH SYSTEMS AGENCY OF SOUTHWESTERN
PENNSYLVANIA
PATRICIA A. MELVIN, DIRECTOR
PLAN DEVELOPMENT
650 SMITHFIELD STREET, SUITE 620
PITTSBURGH, PA 15222-3979
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-562-1800

N.C.E.S. CODES
18.070200
18.060000
S.I.C. CODES
806
808
805
KEYWORDS
HEALTH SYSTEMS PLAN
HEALTH FACILITY UTILIZATION
HEALTH STATUS STATISTICS
PERSONNEL
1 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $36960.00

FACILITIES: COMPUTER - DIGITAL DECURITER II AND TECHTRON DATA CASSETTES 8421

BUILDINGS: N/A

COLLECTIONS: COLLECTION OF INFORMATION INCLUDING HOSPITAL OCCUPANCY REPORT, HOSPITAL UTILIZATION PROJECT (HUP) DATA, PENNSYLVANIA DOH NURSING QUESTIONNAIRE, AND ANNUAL HOSPITAL SURVEYS

COOPERATIVE ARRANGEMENTS: COOPERATIVE ARRANGEMENTS WITH SOUTHWESTERN PENNSYLVANIA HEALTH FACILITIES, HEALTH EDUCATION CENTER, BLUE CROSS OF WESTERN PENNSYLVANIA, STATE DEPARTMENT OF HEALTH, SHPDA, AREA AGENCY ON AGING, U.S. DEPARTMENT OF HHS, HEALTH POLICY INSTITUTE OF THE UNIVERSITY OF PITTSBURGH

OUTPUTS: N/A

428
HECKETT, DIVISION OF HARSCO CORPORATION
JAMES M. STRONG, DIRECTOR
HECKETT, DIVISION OF HARSCO CORPORATION
P.O. BOX 1071
BUTLER, PA 16001
BUTLER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-283-5741

N.C.E.S. CODES
14.070000
14.200000
14.070100
S.I.C. CODES
339
899
KEYWORDS
HECKETT PRODUCTS
PRODUCT DEVELOPMENT
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

FACILITIES: WET CHEMISTRY AND PREPARATION LAB IN MAIN OFFICE BUILDING, INCLUDING SCREENING AND CRUSHING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

429
HEINZ U.S.A., A DIVISION OF THE H.J. HEINZ
COMPANY
DR. RICHARD E. HEIN, DIRECTOR
TECHNICAL SERVICES
P.O. BOX 57
PITTSBURGH, PA 15230
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-237-5889

N.C.E.S. CODES
1.040200
2.030100
S.I.C. CODES
203
18
209

KEYWORDS
FOOD PRODUCTS
NUTRITIONAL FOODS
PERSONNEL
27 RESEARCH PROFESSIONALS
30 SUPPORT PROFESSIONALS
60 TECHNICAL STAFF
15 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $6000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

430
HERCULITE PRODUCTS, INC.
DR. A.F. KYDONIEUS, DIRECTOR
HERCULITE PRODUCTS, INC.
1107 BROADWAY
NEW YORK, NY 10010
COUNTY
DEVELOPMENT REGION
PHONE: 212-691-7551

N.C.E.S. CODES
4.990000
S.I.C. CODES
282
287
KEYWORDS
PHERMONE
PHARMACEUTICAL PRODUCTS
PERSONNEL
5 RESEARCH PROFESSIONALS
7 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

431
HERSHEY FOODS CORPORATION
CHARLES L. DUNCAN, DIRECTOR
RESEARCH AND DEVELOPMENT
TECHNICAL CENTER, 1025 REES AVENUE, P.O. BOX 805
HERSHEY, PA 17033
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-534-5230

N.C.E.S. CODES
2.030100
S.I.C. CODES
206
204
202
KEYWORDS
FOOD RESEARCH
FOOD PRODUCT DEVELOPMENT
PERSONNEL
53 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
25 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $5000000.00

FACILITIES: PILOT PLANT FOR FOOD PRODUCT DEVELOPMENT; TEST KITCHENS; CHEMISTRY, FOOD, AND LIFE SCIENCES LABS

BUILDINGS: TECHNICAL CENTER

COLLECTIONS: FOOD SCIENCES ORIENTED LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

432
HESS MANUFACTURING COMPANY
LARRY MAGEE, DIRECTOR
RESEARCH AND DEVELOPMENT ENGINEERING
P.O. BOX 127
QUINCY, PA 17247
FRANKLIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-749-3141

N.C.E.S. CODES
4.040100
14.140100
14.140400
S.I.C. CODES
249
344
KEYWORDS
STANDARDS
SPECIFICATIONS
TESTING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: E.V. CHAMBERS, Q PANEL TESTERS, TENSION AND COMPRESSION, LIGHT BOOTHS, SALT FOG

BUILDINGS: N/A

COLLECTIONS: TRADE AND SCIENTIFIC LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

433
HETRICK MANUFACTURING, INC.
A. CLAIR HETRICK, DIRECTOR
HETRICK MANUFACTURING, INC.
210 REIMER
LOWER BURRELL, PA 15068
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-335-0455

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
PRECISION MACHINING
LIGHT FABRICATING

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

434
HEWLETT-PACKARD COMPANY
IVAN CROCKETT, DIRECTOR
AVONDALE DIVISION
ROUTE 41 AND STARR ROAD
AVONDALE, PA 19311
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-268-2281 EXT 481

N.C.E.S. CODES
0
S.I.C. CODES
381
KEYWORDS
GAS CHROMOTOGRAPHS
LABORATORY AUTOMATION SYSTEMS
SAMPLE PREPARATION PRODUCTS
PERSONNEL
73 RESEARCH PROFESSIONALS
11 SUPPORT PROFESSIONALS
9 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $9000000.00

FACILITIES: QUARTZ DRAWING MACHINE

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A COLLECTION OF JOURNALS AND BOOKS RELATED TO ANALYTICAL CHEMISTRY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

435
HIGHLANDS PSRO CORPORATION
LAWRENCE A. WALTO, DIRECTOR
HIGHLANDS PSRO CORPORATION
628 SWANK BUILDING
JOHNSTOWN, PA 15901
CAMBRIA COUNTY
SOUTHERN ALLEGHENIES DEVELOPMENT REGION
PHONE: 314-539-8705

N.C.E.S. CODES
18.100000
S.I.C. CODES
99
KEYWORDS
HOSPITAL UTILIZATION
MEASUREMENT
PERSONNEL
6 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

436
HISTORIC RESEARCH ASSOCIATES
JANE L.S. DAVIDSON, DIRECTOR
HISTORIC RESEARCH ASSOCIATES
BOX 96, R.D. 2
GLENMOORE, PA 19343
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-942-3616

N.C.E.S. CODES
3.020300
4.030000
44.040000
S.I.C. CODES
891
919

KEYWORDS
  HISTORIC RESOURCE
  ADAPTIVE REUSE
  RESTORATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $25000.00

BUILDINGS: N/A

COLLECTIONS: PRIVATE COLLECTIONS BASED ON TWENTY YEARS OF RESEARCH IN PENNSYLVANIA

COOPERATIVE ARRANGEMENTS: CONTRACTUAL ARRANGEMENT WITH THE CHESTER COUNTY COMMISSIONERS TO SERVE AS CHESTER COUNTY'S HISTORIC PRESERVATION OFFICER

OUTPUTS: N/A

437
HOFMANN ASSOCIATES
RALPH HOFMANN, DIRECTOR
MARKET RESEARCH
123 WOODHAVEN DRIVE
PHILADELPHIA, PA 15228
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 412-563-6250

N.C.E.S. CODES
  6.140200
S.I.C. CODES
  739
KEYWORDS
  MARKET RESEARCH
  SURVEY
  CONSULTING
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $70000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

438
HOFMANN INDUSTRIES, INC.
G.W. EDDINGER, DIRECTOR
RESEARCH AND DEVELOPMENT COMMITTEE
3145 SHILLINGTON ROAD
SINKING SPRING, PA 19608
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-678-8051

N.C.E.S. CODES
  0
S.I.C. CODES
  349
KEYWORDS
  N/A
PERSONNEL
  5 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $25000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

439
HONEYWELL INC., PROCESS CONTROL DIVISION
RODNEY G. WOODS, DIRECTOR
ENGINEERING DEPARTMENT
1100 VIRGINIA DRIVE
FORT WASHINGTON, PA 19034
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-641-3000

N.C.E.S. CODES
  14.100000
  14.190000
  11.020000
S.I.C. CODES
  382
KEYWORDS
  PROCESS CONTROL INSTRUMENTS
  NEW PRODUCTS
PERSONNEL
  60 RESEARCH PROFESSIONALS
  40 SUPPORT PROFESSIONALS
  30 TECHNICAL STAFF
  16 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $10000000.00

FACILITIES: COMPUTER FACILITIES; MATERIAL AND COMPONENTS LAB; CAD/CAM EQUIPMENT; GENERAL LAB

FACILITIES: HYDRAULICS LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: CONTRACTS WITH HONEYWELL SOLID STATE ELECTRONICS DIVISION

OUTPUTS: N/A

440
HONEYWELL POWER SOURCES CENTER
DR. DAVID L. CHUA, DIRECTOR
RESEARCH DEPARTMENT
104 ROCK ROAD
HORSHAM, PA 19044
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-674-3800

N.C.E.S. CODES
14.100000
40.059900
40.050200
S.I.C. CODES
367
KEYWORDS
LITHIUM BATTERIES
ELECTROCHEMISTRY
ELECTRONIC POWER SUPPLY
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: AC IMPEDANCE INSTRUMENT; ACCELERATED RATE CALORIMETER; GAS CHROMATOGRAPHY; GENERAL ANALYTICAL INSTRUMENTS; SPECIAL ELECTROCHEMICAL AND THERMAL INSTRUMENTS

BUILDINGS: VERY LOW HUMIDITY DRY ROOMS

COLLECTIONS: MAINTAINS A RESEARCH LIBRARY

COOPERATIVE ARRANGEMENTS: VARIOUS FORMAL AND INFORMAL WORKING AGREEMENTS WITH HONEYWELL'S CORPORATE TECHNOLOGY CENTER LOCATED IN BLOOMINGTON, MN

OUTPUTS: N/A

441
HORACE W. LONGACRE INC.
DR. JULIUS F. BAUERMANN, DIRECTOR
RESEARCH AND DEVELOPMENT
P.O. BOX 8
FRANCONIA, PA 18924
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-723-4335

N.C.E.S. CODES
2.030600
1.040200
19.050300
S.I.C. CODES
201
209
KEYWORDS
POULTRY PRODUCTS
POULTRY PACKAGING
FOOD ADDITIVES
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: SENSORY EVALUATION AREA

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: U.S.D.A. EASTER REGIONAL RESEARCH LABORATORY AT WYNDMOOR, PA; PENNSYLVANIA STATE UNIVERSITY DEPARTMENT OF FOOD SCIENCE; UNIVERSITY OF MINNESOTA DEPARTMENT OF FOOD SCIENCE

OUTPUTS: N/A

442
HOWARD REFRIGERATOR CO., INC.
BOB HEMLINGER, DIRECTOR
ENGINEERING
GRANT AVENUE AND BLUE GRASS ROAD
PHILADELPHIA, PA 19114
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-464-6800

N.C.E.S. CODES
0
S.I.C. CODES
358
KEYWORDS
COMMERCIAL REFRIGERATORS
REFRIGERATOR DESIGN
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: TEST LAB AND RELATED MONITORING DEVICES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

443
HOWMET ALUMINUM CORP./MILL PRODUCTS DIVISION
A. RONN COMLY, DIRECTOR
TECHNICAL PLANNING
BOX 3167
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-393-9641

N.C.E.S. CODES
14.200000
S.I.C. CODES
335
KEYWORDS
ALUMINUM
ALUMINUM PROCESSING
AUTOMATED PROCESS CONTROL
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

444
HRB-SINGER, INC.
EDWARD L. MAGNUSON, DIRECTOR
HRB-SINGER, INC.
P.O. BOX 60, SCIENCE PARK ROAD
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-4311

N.C.E.S. CODES
14.100000
11.020000
11.040000
S.I.C. CODES
361
366
971
KEYWORDS
SIGNAL PROCESSING
TELEMETRY
SIGNAL ANAYLSIS
PERSONNEL
400 RESEARCH PROFESSIONALS
250 SUPPORT PROFESSIONALS
100 TECHNICAL STAFF
300 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: ELECTRONIC EQUIPMENT, DC-18GHZ

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

445
HUGHES-HARRISON, INC.
ROBERT HUGHES, DIRECTOR
STRATEGIC PLANNING UPDATE
SUITE 100, ROUTE 222, ZACK BUILDING
WESCOSVILLE, PA 18106
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-395-5839

N.C.E.S. CODES
6.010000
6.040100
S.I.C. CODES
805
KEYWORDS
MANAGEMENT METHODS
LONG TERM CARE FACILITIES
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

446
I.P.D. INDUSTRIES, INC.
DONALD R. O'MALLEY, DIRECTOR
I.P.D. INDUSTRIES, INC.
140 LAKESIDE DRIVE
PITTSBURGH, PA 15238
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-963-8237

N.C.E.S. CODES
14.190000
14.100000
30.030100
S.I.C. CODES
891
892
353
KEYWORDS
PRODUCT AND QUALITY IMPROVEMENT
ELECTRO-MECHANICAL SYSTEMS
INTERDISCIPLINARY PROBLEM SOLVING
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

FACILITIES: CHEMICAL, ELECTRICAL AND MECHANICAL DEVELOPMENT AND PROTOTYPE CAPABILITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

447
ICHTHYOLOGICAL ASSOCIATES
GEORGE A. NARDACCI, DIRECTOR
ICHTHYOLOGICAL ASSOCIATES
BOX 223
ETTERS, PA 17319
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-938-3585

N.C.E.S. CODES
2.020000
2.020700
2.041000
S.I.C. CODES
899
951
KEYWORDS
AQUATIC BIOLOGY
TERRESTRIAL BIOLOGY
ECOLOGY
PERSONNEL
30 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400000.00

FACILITIES: BOATS; AQUATIC EQUIPMENT; TERRESTRIAL STUDIES EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH THE PENNSYLVANIA STATE UNIVERSITY

OUTPUTS: N/A

448
ICHTHYOLOGICAL ASSOCIATES
THEODORE V. JACOBSEN, DIRECTOR
ICHTHYOLOGICAL ASSOCIATES
R.D. 1
BERWICK, PA 18603
COLUMBIA COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-542-2191

N.C.E.S. CODES
2.020000
2.020700
2.041000
S.I.C. CODES
899
951
KEYWORDS
ECOLOGY
AQUATIC BIOLOGY
TERRESTRIAL BIOLOGY
PERSONNEL
30 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400000.00

FACILITIES: BOATS; AQUATIC EQUIPMENT; TERRESTRIAL STUDIES EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH THE PENNSYLVANIA STATE UNIVERSITY

OUTPUTS: N/A

449
IDS LIFE INSURANCE COMPANY
RICHARD KLING, DIRECTOR
PRODUCT DEVELOPMENT
80 SOUTH EIGHTH STREET
MINNEAPOLIS, MN 55402
COUNTY
DEVELOPMENT REGION
PHONE: 612-372-3785

N.C.E.S. CODES
6.080000
27.020000
6.040300
S.I.C. CODES
631
632
637
KEYWORDS
INSURANCE DEVELOPMENT
INSURANCE MANAGEMENT
COMPETITOR RESEARCH
PERSONNEL
11 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3000000.00

BUILDINGS: N/A

COLLECTIONS: PUBLICATIONS OF SOCIETY OF ACTUARIES AND OTHER INDUSTRY ORGANIZATIONS, REFERENCES ON STATE REGULATION
COOPERATIVE ARRANGEMENTS: COOPERATIVE INFORMATION EXCHANGE WITH OTHER INSURANCE COMPANIES

OUTPUTS: N/A

450
INDIANA UNIVERSITY OF PENNSYLVANIA
DR. DAN TANNACITO, DIRECTOR
CENTER FOR INTERNATIONAL LANGUAGES
209C LEONARD HALL
INDIANA, PA 15705
INDIANA COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-357-2267

N.C.E.S. CODES
45.090000
S.I.C. CODES
892
KEYWORDS
LINGUISTICS
LANGUAGES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: 200 VOLUMES

COOPERATIVE ARRANGEMENTS: ENGLISH DEPARTMENT, FOREIGN LANGUAGE DEPARTMENT, CENTER FOR INTERNATIONAL STUDIES

OUTPUTS: N/A

451
INDIANA UNIVERSITY OF PENNSYLVANIA
DR. RICHARD J. HORNFECK, DIRECTOR
HIGHWAY SAFETY CENTER
STRAIGHT HALL
INDIANA, PA 15705
INDIANA COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-357-2227

N.C.E.S. CODES
43.020000
18.100600
44.020000
S.I.C. CODES
809
922
KEYWORDS
SAFETY
HIGHWAY
EMERGENCY MEDICAL
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $750000.00
SOURCES: U.S. GOVERNMENT
PAST FUNDING
AVERAGE AMOUNT = $750000.00
SOURCES: U.S. GOVERNMENT

FACILITIES: 14 MOTORCYCLES, SPECIAL TOOLS AND EQUIPMENT FOR RESCUE TRAINING

BUILDINGS: N/A

COLLECTIONS: 500 VOLUME LIBRARY

COOPERATIVE ARRANGEMENTS: PENNSYLVANIA HEALTH SERVICES COUNCIL, PENNSYLVANIA HIGHWAY SAFETY TRAINING PROGRAMS

OUTPUTS: SURVEYS, RESEARCH USABLE BY THE MOTORCYCLE SAFETY FOUNDATION; RESEARCH TO ENHANCE TRAINING STUDENTS TO RIDE AND TO SUPPORT INSTRUCTION; RESEARCH REPORTS TO THE DEPARTMENT OF HEALTH, DISSEMINATION OF SURVEY REPORTS TO VARIOUS

GROUPS: TRAINING PROGRAMS

452
INDIANA UNIVERSITY OF PENNSYLVANIA
MR. MARTIN J. MORAND, DIRECTOR
PENNSYLVANIA CENTER FOR THE STUDY OF LABOR RELATIONS
411 SUTTON HALL
INDIANA, PA 15705
INDIANA COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-357-2645

N.C.E.S. CODES
  6.110000
  6.160000
S.I.C. CODES
  863
  892
KEYWORDS
  LABOR RELATIONS
  ARBITRATION
  COLLECTIVE BARGINING
PERSONNEL
  4 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  10 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $3000.00
  SOURCES: INDIANA UNIVERSITY OF PENNSYLVANIA
PAST FUNDING
  AVERAGE AMOUNT = $3000.00
  SOURCES: INDIANA UNIVERSITY OF PENNSYLVANIA

BUILDINGS: N/A

COLLECTIONS: LIBRARY OF OVER 400 VOLUMES PLUS OVER 400 REPORTS, PAMPHLETS, AND MONOGRAPHS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND ARTICLES; CASE HISTORIES OF THE RESULTS OF ARBITRATION; SUMMARIES AND ANALYSIS OF VARIOUS ARBITRATION AND OTHER LABOR RELATIONS ACTIVITIES; ARBITRATION SERVICES

453
INDIANA UNIVERSITY OF PENNSYLVANIA
DR. JUDITH L. COPE, DIRECTOR
THE ADULT EDUCATION CENTER
SCHOOL OF CONTINUING EDUCATION
INDIANA, PA 15705
INDIANA COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-357-7949

N.C.E.S. CODES
  44.020000
S.I.C. CODES
  892
KEYWORDS
  ADULT BASIC EDUCATION
  TEACHER CERTIFICATION
  ABE TEACHER CERTIFICATION
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $20000.00
PAST FUNDING
  AVERAGE AMOUNT = $5000.00

BUILDINGS: N/A

COLLECTIONS: 3500 VOLUMES WITH MICROFICHE AND SOME VIDEO EQUIPMENT

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

454
INDIANA UNIVERSITY OF PENNSYLVANIA
MR. CURT PADDOCK, DIRECTOR
THE IUP CENTER FOR COMMUNITY AFFAIRS
359 SUTTON HALL
INDIANA, PA 15705
INDIANA COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-357-2439

N.C.E.S. CODES
  44.050000
  44.000000
  44.040000
S.I.C. CODES
  892
  919
KEYWORDS
  PUBLIC POLICY
  LOCAL GOVERNMENT
  PUBLIC AFFAIRS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  15 TECHNICAL STAFF
  10 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $235000.00
PAST FUNDING
  AVERAGE AMOUNT = $150000.00

FACILITIES: VIDEO EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: SMALL RESEARCH LIBRARY OF 100 VOLUMES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS, SURVEY REPORTS, CASE STUDIES RELATING TO PUBLIC AFFAIRS

455

INDUSTRIAL & MANAGEMENT SERVICES, INC.

DR. JAMES W. NUTTER, DIRECTOR
INDUSTRIAL & MANAGEMENT SERVICES, INC.
2911 PEACH STREET
ERIE, PA 16508
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-453-4716

N.C.E.S. CODES

18.010100
42.090000
42.990000

S.I.C. CODES

922
401
944

KEYWORDS

- REDUCE CRIMINAL POPULATION
- REDUCE PHYSICAL EFFECTS OF NOISE
- IMPROVE PRODUCTIVITY

PERSONNEL

- 6 RESEARCH PROFESSIONALS
- 15 SUPPORT PROFESSIONALS
- 3 TECHNICAL STAFF
- 2 SUPPORT STAFF

FACILITIES: AUDIOLOGICAL TESTING EQUIPMENT, BIOFEEDBACK EQUIPMENT, DATA PROCESSING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: DATA PROCESSING FACILITY - VIRGINIA POLY. INSTITUTE

OUTPUTS: N/A

456

INDUSTRIAL RELATIONS, INC.

TIMOTHY G. HEWITT, DIRECTOR
INDUSTRIAL RELATIONS, INC.
215 CHESTNUT STREET
LATROBE, PA 15650
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-537-2620

N.C.E.S. CODES

6.040100
6.049900
7.050000

S.I.C. CODES

81
99

KEYWORDS

- REPRESENTATION
- NEGOTIATION
- ARBRITRATION

PERSONNEL

- 7 RESEARCH PROFESSIONALS
- 14 SUPPORT PROFESSIONALS
- 0 TECHNICAL STAFF
- 5 SUPPORT STAFF

CURRENT FUNDING

AVERAGE AMOUNT = $400000.00

BUILDINGS: N/A

COLLECTIONS: LARGE LABOR LAW LIBRARY

COOPERATIVE ARRANGEMENTS: WEST VIRGINIA UNIVERSITY, SAINT VINCENT COLLEGE

OUTPUTS: N/A

457

INDUSTRIAL TESTING LABORATORY SERVICES

N/A, DIRECTOR
INDUSTRIAL TESTING LABORATORY SERVICES
635 ALPHA DRIVE
PITTSBURGH, PA 15238
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-963-1900

N.C.E.S. CODES

14.180000
14.200000

S.I.C. CODES

739

KEYWORDS

- MATERIAL TESTING
- COMPONENT TESTING
- MATERIAL AND COMPONENT INSPECTION

PERSONNEL

- 0 RESEARCH PROFESSIONALS
- 0 SUPPORT PROFESSIONALS
- 13 TECHNICAL STAFF
- 2 SUPPORT STAFF

CURRENT FUNDING

AVERAGE AMOUNT = $1000000.00

FACILITIES: RADIOGRAPHY, ULTRASONICS, AND MAGNETIC PARTICLE FACILITIES; VARIOUS MECHANICAL TESTS; MACHINE SHOP

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

458
INOLEX CHEMICAL COMPANY
JAMES T. HARVILCHUCK, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
JACKSON & SWANSON STREETS
PHILADELPHIA, PA 19148
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-271-6400

N.C.E.S. CODES
  40.050000
  40.050400
  40.050200
S.I.C. CODES
  282
  284
  289
KEYWORDS
  HIGH PERFORMANCE
  ESTERS
PERSONNEL
  5 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: ANALYTICAL LAB; PILOT LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

459
INPACO, INC.
CHARLES TRILLICH, DIRECTOR
INPACO, INC.
533 SOUTH MAIN STREET
NAZARETH, PA 18064
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-759-8624

N.C.E.S. CODES
  2.030500
  14.180000
S.I.C. CODES
  899
  307
KEYWORDS
  PLASTIC PACKAGING
  PHARMACEUTICALS
  FOOD
PERSONNEL
  2 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF

FACILITIES: PACKAGING LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

460
INSTITUTE FOR BUSINESS AND INDUSTRY, INC.
DR. HERMAN BIRNBRAUER, DIRECTOR
NEEDS ASSESSMENT INVENTORY
1927 BRISTOL PIKE
BENSALEM, PA 19020
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-639-4660

N.C.E.S. CODES
  6.060000
  11.050000
  6.160000
S.I.C. CODES
  944
  274
KEYWORDS
/t/t/t RESOURCES
  SERVICE
  CRITERIA

FACILITIES: OSBORNE COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

461
INSTITUTE FOR EXPERIMENTAL PSYCHIATRY
DR. MARTIN T. ORNE, DIRECTOR
BASIC RESEARCH
111 NORTH 49TH STREET
PHILADELPHIA, PA 19139
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-472-1055

N.C.E.S. CODES
  18.102300
  42.030000
  42.110000
S.I.C. CODES
  99
KEYWORDS
  HYPNOSIS
  FUNCTIONS OF SLEEP
  THERAPEUTIC OUTCOME
PERSONNEL
  3 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $250000.00

FACILITIES: 10 ROOMS FOR OBSERVATION, RECORDING AND INTERVIEWING SUBJECTS DURING EXPERIMENTS

BUILDINGS: N/A

COLLECTIONS: A BASIC RESEARCH LIBRARY

COOPERATIVE ARRANGEMENTS: UNIT IS LOCATED WITHIN THE INSTITUTE OF PENNSYLVANIA HOSPITAL

OUTPUTS: N/A

462
INSTITUTE FOR HEALTH MAINTENANCE
DR. FRANKLIN V. THOMPSON, DIRECTOR
RESEARCH DEPARTMENT
SUITE 201, 2015 HAMILTON STREET
ALLENTOWN, PA 18104
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-821-1445

N.C.E.S. CODES
  18.109900
  42.030000
  18.102200
S.I.C. CODES
  801
  804
  808
KEYWORDS
  BARIATRIC MEDICINE
  BEHAVIORAL PSYCHOLOGY
  WELLNESS EDUCATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF

FACILITIES: PHYSICIANS' AND PSYCHOLOGISTS' OFFICES, NURSING STAFF, MEDICAL EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WORK UNDER THE CENTRAL OFFICE IN BOSTON, MA; COLLABORATE WITH OTHER SIMILAR CLINICS (OVER 40) IN OUR DIVISION OF THE CORPORATION

OUTPUTS: N/A

463
INSTITUTE FOR RESEARCH
P.C. HARRISON, DIRECTOR
INSTITUTE FOR RESEARCH
257 SOUTH PUGH STREET
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-6736

N.C.E.S. CODES
  42.130000
  30.060100
  11.010000
S.I.C. CODES
  892
KEYWORDS
  HIGHWAY RESEARCH
  DRIVER BEHAVIOR
  SYSTEM EVALUATION
PERSONNEL
  7 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1100000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

464
INSTITUTE FOR THE STUDY OF HUMAN ISSUES
DR. JOEL M. JUTKOWITZ, DIRECTOR
INSTITUTE FOR THE STUDY OF HUMAN ISSUES
3401 MARKET STREET, SUITE 252
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-387-9002

N.C.E.S. CODES
  45.000000

44.010000
44.030000
S.I.C. CODES
273
781
972
KEYWORDS
SOCIAL SCIENCES
LAW
MEDICINE
PERSONNEL
20 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: SPECIAL LIBRARY ON LATIN AMERICA; SPECIAL DATA COLLECTIONS

COOPERATIVE ARRANGEMENTS: UNIVERSITY OF GOIAS, BRAZIL

OUTPUTS: N/A

465
INTER-STATE MANAGEMENT INFORMATION SYSTEM, INC.
JAMES E. RUDY, DIRECTOR
INTER-STATE MANAGEMENT INFORMATION SYSTEM, INC.
3525 N 6TH STREET
HARRISBURG, PA 17110
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-232-7547

N.C.E.S. CODES
11.110200
11.110300
11.110500
S.I.C. CODES
366
357
KEYWORDS
FOOD WHOLESALE
FOOD DISTRIBUTION
MANAGEMENT INFORMATION
PERSONNEL
4 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: IBM S/38 COMPUTER SYSTEM, XEROX 860 WPS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

466
INTERLECTRIC CORPORATION
MR. JAN LEGERE, DIRECTOR
INTERLECTRIC CORPORATION
1401 LEXINGTON AVENUE
WARREN, PA 16365
WARREN COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-723-6061

N.C.E.S. CODES
14.100000
14.190000
S.I.C. CODES
355
364
KEYWORDS
FLUORESCENT
BALLAST
MACHINERY
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

467
INTERNATIONAL PAPER COMPANY
G.P. MEIER, DIRECTOR
BUSINESS DEVELOPMENT
2250 CABOT BOULEVARD, WEST
LANGHORNE, PA 19047
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-752-0515

N.C.E.S. CODES
14.190000
S.I.C. CODES
264
KEYWORDS
MACHINERY DEVELOPMENT
PAPERBOARD RESEARCH

PAPERBOARD PRODUCTS
PERSONNEL
20 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000000.00

BUILDINGS: TWO BUILDINGS

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

468
INTERNATIONAL SIGNAL AND CONTROL CORPORATION
RICHARD H. HOLMBERG, DIRECTOR
ISC ADVANCED PROGRAMS DIRECTORATE
3050 HEMPLAND ROAD
LANCASTER, PA 17601
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-299-3671

N.C.E.S. CODES
9.030000
11.050000
30.030000
S.I.C. CODES
362
381
489
KEYWORDS
ELECTRONICS
MILITARY ELECTRONIC SYSTEMS
COMMUNICATIONS
PERSONNEL
6 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

FACILITIES: FULL RANGE OF EQUIPMENT FOR ELECTRONIC AND ENVIRONMENTAL TEST AND ANALYSIS

BUILDINGS: N/A

COLLECTIONS: A REFERENCE LIBRARY IS MAINTAINED

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

469
INTERSEARCH CORPORATION
N/A, DIRECTOR
INTERSEARCH CORPORATION
132 WELSH ROAD, P.O. BOX 189
HORSHAM, PA 19044
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-657-6400

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
MARKET RESEARCH

FACILITIES: LARGE TELEPHONE BANKS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

470
INTERSPEC INC.
DR. R. BERNARDI, DIRECTOR
INTERSPEC INC.
101 NORTH 33RD STREET
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-387-2188

N.C.E.S. CODES
17.021200
17.020400
S.I.C. CODES
362
367
KEYWORDS
INSTRUMENTATION
MEDICAL EQUIPMENT
PERSONNEL
8 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: MICROPROCESSOR DEVELOPMENT SYSTEM, COMPUTERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

471
INVENTION MARKETING, INCORPORATED
DONNA M. BURRELLI, DIRECTOR
RESEARCH DEPARTMENT
701 SMITHFIELD STREET
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-288-1306

N.C.E.S. CODES
6.140200
S.I.C. CODES
99
KEYWORDS
MARKETING
INVENTIONS
PERSONNEL
10 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
5 SUPPORT STAFF

FACILITIES: IBM DISPLAYWRITER

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY CONSISTING OF THE U.S. STATISTICAL ABSTRACT, INDUSTRIAL OUTLOOK, AND OTHER VARIOUS PUBLICATIONS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

472
ISRAELSON ENGINEERING
GORDON ISRAELSON, DIRECTOR
ISRAELSON ENGINEERING
3575 FOXWOOD DRIVE
MURRYSVILLE, PA 15668
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-327-5817

N.C.E.S. CODES
3.010000
14.270000
14.120000
S.I.C. CODES
891
359
367
KEYWORDS
SOLAR HEATING
ALTERNATE ENERGY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2500.00

FACILITIES: DEMONSTRATION SOLAR HEATING SYSTEM

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SOLAR AND ALTERNATE ENERGY INFORMATION RESOURCE CENTER

COOPERATIVE ARRANGEMENTS: AFFILIATED WITH UNITED TECHNOLOGY CENTER, PITTSBURGH

OUTPUTS: N/A

473
ITT DOMESTIC PUMP
DAVID C. HORNEYS, DIRECTOR
PRODUCT ENGINEERING
P.O. BOX 250
SHIPPENSBURG, PA 17257
CUMBERLAND COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-532-7321

N.C.E.S. CODES
14.190000
S.I.C. CODES
356
343
KEYWORDS
VACUUM PUMPS
VACUUM SYSTEMS
CONDENSATE SYSTEMS
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

474
ITT REZNOR
C. WADE ALBRITTON, DIRECTOR

ITT REZNOR
MCKINLEY AVENUE
MERCER, PA 16137
MERCER COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 412-662-4400

N.C.E.S. CODES
0
S.I.C. CODES
343
349
KEYWORDS
- UNIT HEATERS
- INDUSTRIAL HEATING
- FURNACES

PERSONNEL
- 2 RESEARCH PROFESSIONALS
- 1 SUPPORT PROFESSIONALS
- 3 TECHNICAL STAFF
- 5 SUPPORT STAFF

CURRENT FUNDING
AVERAGE AMOUNT = $400000.00

FACILITIES: DATA LOGGER, COMBUSTION ANALYSIS FOR FOSSIL FUELS, GAS CALORIMETER

BUILDINGS: ENVIRONMENTAL CHAMBER

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

475
J J & L RESEARCH COMPANY
LYNNE VARGA, DIRECTOR
J J & L RESEARCH COMPANY
1043 CAMAS DRIVE
PHILADELPHIA, PA 19115
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-698-0246

N.C.E.S. CODES
8.990000
S.I.C. CODES
489
739
899
KEYWORDS
- DATA

PERSONNEL
- 4 RESEARCH PROFESSIONALS
- 6 SUPPORT PROFESSIONALS
- 0 TECHNICAL STAFF
- 25 SUPPORT STAFF

CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

476
JACOBY AND CO., LTD.
MR. JOSEPH M. JACOBY, DIRECTOR
JACOBY AND CO., LTD.
MERION MILLS BUSINESS CENTER
WEST CONSHOHOCKEN, PA 19428
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-825-4422

N.C.E.S. CODES
14.100000
6.040400
S.I.C. CODES
481
737
KEYWORDS
- TELECOMMUNICATIONS NETWORK ANALYSIS
- TELEPHONE COST ALLOCATION
- COST CONTROL

PERSONNEL
- 3 RESEARCH PROFESSIONALS
- 0 SUPPORT PROFESSIONALS
- 0 TECHNICAL STAFF
- 0 SUPPORT STAFF

FACILITIES: COMPUTER SOFTWARE FOR TELEPHONE NETWORK ANALYSIS AND COST ALLOCATION

BUILDINGS: N/A

COLLECTIONS: COLLECTION OF TARIFF FILES FOR VARIOUS TELEPHONE LINE VENDORS AND TELEPHONE PBX VENDORS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

477
JAMES P. MURPHY MARKETING RESEARCH
DR. JAMES P. MURPHY, DIRECTOR
JAMES P. MURPHY MARKETING RESEARCH
COLONIAL BUILDING, 101 LANCASTER AVE.
WAYNE, PA 19087
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE:

N.C.E.S. CODES
6.140200

S.I.C. CODES
739
KEYWORDS
MARKETING
OPINION SURVEYS
CONSUMER BEHAVIOR
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

478
JAMESTOWN PAINT & VARNISH CO.
R. EDWARD BISH, DIRECTOR
R&D LABORATORY
108 MAIN STREET
JAMESTOWN, PA 16134
MERCER COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 412-932-3101

N.C.E.S. CODES
6.189900
40.050600
S.I.C. CODES
285
KEYWORDS
QUALITY
PAINTS
COATINGS
PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: R&D LAB, QUALITY CONTROL LAB, SMALL EQUIPMENT TESTING LAB

BUILDINGS: N/A

COLLECTIONS: CHEMICAL COATINGS RELATED LIBRARY ON RAW MATERIALS AND FINISHED PRODUCTS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

479
JEFFERSON UNIVERSITY
DR. HOWARD M. WAXMAN, DIRECTOR
CENTER FOR THE STUDY OF GEROPSYCHIATRY
DEPARTMENT OF PSYCHIATRY AND HUMAN BEHAVIOR,
JEFFERSON MEDICAL COLLEGE, 1015 WALNUT STREET
PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-928-8780

N.C.E.S. CODES
17.040000
18.100800
18.102300
S.I.C. CODES
832
805
806
KEYWORDS
GERIATRICS
PSYCHIATRY
PSYCHOLOGY
PERSONNEL
4 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: IN-PATIENT, OUT-PATIENT AND PARTIAL HOSPITAL PROGRAMS; ACCESS TO MANY NURSING HOMES; ACCESS TO UNIVERSITY COMPUTING SERVICE

BUILDINGS: N/A

COLLECTIONS: UTILIZES THE SCOTT MEMORIAL LIBRARY

COOPERATIVE ARRANGEMENTS: COATESVILLE VETERANS ADMINISTRATION MEDICAL CENTER PSYCHO-GERIATRICS UNIT; MANY NURSING HOMES

OUTPUTS: N/A

480
JEFFERSON UNIVERSITY
DR. BARBARA B. DOMANGUE, DIRECTOR
PSYCHOPHARMACOLOGY RESEARCH SECTION
DEPARTMENT OF PSYCHIATRY AND HUMAN BEHAVIOR,
JEFFERSON MEDICAL COLLEGE, 1015 WALNUT STREET, 327
C CURTIS CLINIC
PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-928-8757

N.C.E.S. CODES
42.140000
18.100800
18.102300
S.I.C. CODES
801

806
808
KEYWORDS
/t/t/t/tPSYCHOPHARMACOLOGY
CLINICAL TRIALS
DRUG STUDIES
PERSONNEL
8 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
12 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

FACILITIES: TWO ADULT PSYCHIATRY INPATIENT UNITS; OUTPATIENT CLINIC; PARTIAL HOSPITALIZATION FACILITY; HEADACHE AND PAIN CENTER; GEROPSYCHIATRY OUTPATIENT CLINIC; CHILDREN, ADOLESCENTS AND FAMILIES CENTER; CRISIS INTERVENTION UNIT; ALCOHOL AND DRUG OUTREACH PROGRAM; METHADONE TREATMENT UNIT; SLEEP DISORDERS CENTER; SEXUAL FUNCTION CENTER

BUILDINGS: N/A

COLLECTIONS: UTILIZES THE SCOTT MEMORIAL LIBRARY

COOPERATIVE ARRANGEMENTS: NORTHWESTERN INSTITUTE OF PSYCHIATRY; VETERENS ADMINISTRATION MEDICAL CENTER IN COATESVILLE, PA; VETERENS ADMINISTRATION HOSPITAL IN PHILADELPHIA, PA; ALBERT EINSTEIN MEDICAL CENTER; DELAWARE STATE HOSPITAL; CROZER-CHESTER MEDICAL CENTER; MERCY CATHOLIC MEDICAL CENTER

OUTPUTS: N/A

481
JLG INDUSTRIES, INC.
JOHN L. GROVE, DIRECTOR
JLG INDUSTRIES, INC.
JLG DRIVE
MCCONNELLSBURG, PA 17233
FULTON COUNTY
SOUTHERN ALLEGHENIES DEVELOPMENT REGION
PHONE: 717-485-5161

N.C.E.S. CODES
0
S.I.C. CODES
353
373
458
KEYWORDS
HYDRAULIC MOBILE EQUIPMENT
PERSONNEL
5 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1534000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

482
JLP ASSOCIATES, INC.
J.L. PFLASTERER, DIRECTOR
JLP ASSOCIATES, INC.
RD 2 BOX 176
CLAYSVILLE, PA 15323
WASHINGTON COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-587-5900

N.C.E.S. CODES
1.049900
3.010100
14.070000
S.I.C. CODES
286
287
249
KEYWORDS
ALTERNATIVE ENERGY SYSTEMS
ENERGY
ENERGY SYSTEMS
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

FACILITIES: LABORATORY FOR PILOT PLANT DEMONSTRATION OF CONTINUOUS HYDROLYSIS OF WASTE CELLULOSIC FEEDSTOCKS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

483
JMI SOFTWARE CONSULTANTS, INC.
EDWARD J. RATHJE, DIRECTOR
JMI SOFTWARE CONSULTANTS, INC.
1422 EASTON ROAD
ROSLYN, PA 19001
MONTGOMERY COUNTY

DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-657-5660

N.C.E.S. CODES
  11.000000
  14.090000
  14.270000
S.I.C. CODES
  89
  367
  737
KEYWORDS
  COMPUTER SYSTEMS DESIGN
  PROGRAMMING
PERSONNEL
  12 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $30000.00

FACILITIES: PDP 11/24 COMPUTER SYSTEM

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

484
JOHN A. NELSON, INC.
JOHN NELSON, DIRECTOR
SYSTEMS DEVELOPMENT GROUP
1931 FAIRWOOD LANE
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-234-1913

N.C.E.S. CODES
  11.010000
  14.090000
  14.100000
S.I.C. CODES
  367
  489
KEYWORDS
  MICROCOMPUTERS
  MICROELECTRONICS
  INFORMATION SYSTEMS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $80000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

485
JOHNSON ENGINEERING CO.
HERBERT G. JOHNSON, DIRECTOR
HOME OFFICE
17 NORTH DREXEL AVENUE
HAVERTOWN, PA 19083
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-446-4540

N.C.E.S. CODES
  14.170000
  14.180000
  14.190000
S.I.C. CODES
  346
  355
  349
KEYWORDS
  NOVEL PRODUCTS
  PROCESSES THERMAL
  SYSTEMS UPGRADING
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF

FACILITIES: HYDRAULIC AND MECHANICAL PRESSES TO 1300 TONS CAPACITY

BUILDINGS: TWO OFFICES AND TWO WAREHOUSES

COLLECTIONS: SPECIAL HEAT TRANSFER

COOPERATIVE ARRANGEMENTS: WITH DREXEL, PENNSYLVANIA STATE UNIVERSITY, AND FRANKLIN INSTITUTE

OUTPUTS: N/A

486
JOHNSON MATTHEY INC.
DR. GEORGE MCGUIRE, DIRECTOR
RESEARCH AND ENGINEERING
1401 KING ROAD
WEST CHESTER, PA 19380
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-648-8121

N.C.E.S. CODES
40.050300
40.050600
14.070000
S.I.C. CODES
379
349
367
KEYWORDS
PLATINUM PRODUCTS
POLLUTION CONTROL
CATALYSTS
PERSONNEL
17 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
11 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2500000.00

FACILITIES: ENGINE TEST FACILITIES FOR EXHAUST TESTING; COMPREHENSIVE ANALYTICAL FACILITIES AND CATALYST TESTING

BUILDINGS: RESEARCH LABORATORIES AND PILOT PLANT

COLLECTIONS: CHEMICAL AND SCIENTIFIC LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

487
JONES & LAUGHLIN STEEL CORPORATION
DR. L.D. NORMAN, DIRECTOR
RESEARCH DIVISION
900 AGNEW ROAD
PITTSBURGH, PA 15227
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-884-1000

N.C.E.S. CODES
14.200000
14.180000
S.I.C. CODES
331
339
KEYWORDS
PROCESS INNOVATION
NEW PRODUCT DEVELOPMENT
PERSONNEL
50 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $7000000.00

FACILITIES: COMPREHENSIVE ANALYTICAL AND TESTING CAPABILITY

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

488
JORDAN CHEMICAL CO.
DR. ROBERT LOGIN, DIRECTOR
RESEARCH AND DEVELOPMENT
1830 COLUMBIA AVENUE
FOLCROFT, PA 19032
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-583-7000

N.C.E.S. CODES
0
S.I.C. CODES
284
KEYWORDS
SULTAINES
ALKANOLAMIDES
QUATS
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: ANALYTICAL EQUIPMENT - I.R., GAS AND LIQUID CHROMATOGRAPHS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

489
JUDSON INFRARED INC.
T.T.S. WONG, DIRECTOR
JUDSON INFRARED INC.
21 COMMERCE DRIVE
MONTGOMERYVILLE, PA 18936
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-368-6900

N.C.E.S. CODES
0
S.I.C. CODES
367
KEYWORDS
INFRARED DETECTOR

PHOTODIODE
PHOTOCONDUCTOR
PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $225000.00

BUILDINGS: LABORATORY

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

490
K.N. WEBB INCORPORATED
BARBARA KALMAN, DIRECTOR
WEBB R & D DIVISION
P.O. BOX 2851
SPRINGFIELD, VA 22152
COUNTY
DEVELOPMENT REGION
PHONE: 703-532-1307

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
ECONOMIC ANALYSIS
FINANCIAL MANAGEMENT
INVENTORY CONTROL
PERSONNEL
8 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $90000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

491
K-D TOOLS, A DIVISION OF EASCO, INC.
MR. ROBERT ARNOLD, DIRECTOR
RESEARCH AND DEVELOPMENT
3575 HEMPLAND ROAD
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-285-4581

N.C.E.S. CODES
14.010000
S.I.C. CODES
342
KEYWORDS
SPECIALTY HAND TOOLS
TOOL TESTING
TOOL EVALUATION
PERSONNEL
4 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $590000.00

FACILITIES: MODEL SHOP

BUILDINGS: N/A

COLLECTIONS: AUTOMOTIVE REPAIR MANUALS

COOPERATIVE ARRANGEMENTS: HANDTOOL INSTITUTE

OUTPUTS: N/A

492
KAADAN LTD.
TURK DESPARD, DIRECTOR
KAADAN LTD.
BOX 29
LANCASTER, PA 17603
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-299-4818

N.C.E.S. CODES
8.030000
8.990000
S.I.C. CODES
284
289
323
KEYWORDS
HOUSEWARE ITEMS
GLASSWARE SHAPES
PERSONNEL
0 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $25000.00

FACILITIES: SMALL CHEMICAL LAB, LARGE MATERIALS WORKSHOP

BUILDINGS: N/A

COLLECTIONS: SMALL LIBRARY - MOSTLY CATALOGS

COOPERATIVE ARRANGEMENTS: WITH GLASS COMPANIES

OUTPUTS: N/A

493
KBI DIVISION OF CABOT CORPORATION
C. EDWARD MOSHEIM, DIRECTOR
KBI DIVISION OF CABOT CORPORATION
COUNTY LINE ROAD
BOYERTOWN, PA 19512
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-367-2181

N.C.E.S. CODES
40.050300
40.050600
40.070100
S.I.C. CODES
281
333
KEYWORDS
METALLURGY
PROCESS DEVELOPMENT
PRODUCT DEVELOPMENT
PERSONNEL
23 RESEARCH PROFESSIONALS
20 SUPPORT PROFESSIONALS
11 TECHNICAL STAFF
6 SUPPORT STAFF

FACILITIES: EXTRACTIVE METALLURGY, MOLTEN SALT CHEMISTRY, AND FLUORIDE CHEMISTRY LABORATORIES

BUILDINGS: TWO PILOT PLANT BUILDINGS

COLLECTIONS: LIBRARY DEVOTED TO RARE METAL CHEMISTRY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

494
KEGELMAN BROTHERS, INC
WILLIAM KEGELMAN, DIRECTOR
KEGELMAN BROTHERS, INC
393 COUNTY LINE ROAD
HUNTINGTON VALLEY, PA 19006
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-357-3744

N.C.E.S. CODES
0
S.I.C. CODES
382
383
KEYWORDS
PERFORMANCE TESTING
OPTICAL SYSTEMS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: SPECIAL OPTICAL TESTING EQUIPMENT FOR DETERMINING THE MODULATION TRANSFORM FUNCTION; PRECISION ANGULAR DIVIDING MACHINES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

495
KELCHNER ENGINEERING AND DESIGN CO.
HARLEY E. KELCHNER, DIRECTOR
KELCHNER ENGINEERING AND DESIGN CO.
617 ORVILLA ROAD
HATFIELD, PA 19440
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-855-2822

N.C.E.S. CODES
0
S.I.C. CODES
355
359
KEYWORDS
LIGHT MANUFACTURING MACHINES
DESIGN AND CONSTRUCT MACHINES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $60000.00

FACILITIES: SMALL BASIC MACHINE SHOP; ENGINEERING AND DRAFTING OFFICE

BUILDINGS: ONE OFFICE AND SHOP; ONE ATTACHED BUILDING FOR STORAGE AND EQUIPPED WITH AN ERECTION FLOOR

COLLECTIONS: VERY COMPREHENSIVE CATALOG LIBRARY; ENGINEERING REFERENCE BOOKS; TECHNICAL ARTICLE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

496
KELLETT CORPORATION
DONALD E. LEE, DIRECTOR
PRODUCT DEVELOPMENT
P.O. BOX 35
WILLOW GROVE, PA 19090
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-675-2930

N.C.E.S. CODES
  14.020000
S.I.C. CODES
  344
  349
  372
KEYWORDS
  PRECISION
  METAL
  FABRICATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $250000.00

FACILITIES: DRAFTING ROOM FACILITIES; ELECTRICAL AND ELECTRONIC LABORATORY; HIGH TEMPERATURE LAB

BUILDINGS: N/A

COLLECTIONS: MAINTAINS SIGNIFICANT LIBRARY OF MILITARY AND OTHER FEDERAL SPECIFICATIONS, PROCEDURES

COOPERATIVE ARRANGEMENTS: ONE FORMAL COOPERATIVE AGREEMENT

OUTPUTS: N/A

497
KELSEY HAYES - HEINTZ DIVISION
WM. KERR, DIRECTOR
AIRCRAFT SERVICE AND REPAIR
FRONT AND OLNEY AVENUE
PHILADELPHIA, PA 19120
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-548-1000

N.C.E.S. CODES
  14.190000
S.I.C. CODES
  349
KEYWORDS
  AEROSPACE DESIGN
  ENGINE REPAIR
  ENGINE SERVICE
PERSONNEL
  1 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

498
KENDALL/AMALIE DIVISION, WITCO CHEMICAL CORPORATION
T.T. ORDIWAY, DIRECTOR
KENDALL/AMALIE DIVISION R&D
77 NORTH KENDALL AVENUE
BRADFORD, PA 16701
MCKEAN COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 814-368-6111

N.C.E.S. CODES
  14.070000
  14.250000
  40.000000
S.I.C. CODES
  291
  131
KEYWORDS
  LUBRICANTS
  ADDITIVE RESPONSE AND PERFORMANCE
PERSONNEL
  12 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  12 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1500000.00

FACILITIES: ENGINE LAB WITH 4 DYNO

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

499
KENNAMETAL INC.
MR. D.B. ARNOLD, DIRECTOR
CORPORATE TECHNOLOGY
P.O. BOX 231
LATROBE, PA 15650

WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-539-5885

N.C.E.S. CODES
  14.180000
  14.190000
  14.210000
S.I.C. CODES
  354
  339
  353
KEYWORDS
  CUTTING TOOLS
  MINING TOOLS
  WEAR PRODUCTS
PERSONNEL
  62 RESEARCH PROFESSIONALS
  26 SUPPORT PROFESSIONALS
  103 TECHNICAL STAFF
  21 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $12500000.00

FACILITIES: STATE-OF-THE-ART MATERIALS AND PROCESS R&D EQUIPMENT AS WELL AS DESIGN AND APPLICATIONS TEST FACILITIES

BUILDINGS: N/A

COLLECTIONS: TECHNOLOGY INFORMATION CENTER LIBRARY

COOPERATIVE ARRANGEMENTS: ONGOING WITH SEVERAL UNIVERSITIES AND COMMERCIAL ORGANIZATIONS

OUTPUTS: N/A

500
KENNEDY VAN SAUN CORPORATION
DR. REED S.C. ROGERS, DIRECTOR
PROCESS RESEARCH DEPARTMENT
RAILROAD STREET
DANVILLE, PA 17821
MONTOUR COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-275-3050

N.C.E.S. CODES
  14.210000
S.I.C. CODES
  353
KEYWORDS
  PROCESS DESIGN
  PARTICLE SIZE REDUCTION
  COAL BENEFICIATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $250000.00

FACILITIES: A WIDE VARIETY OF PARTICLE GRINDING, CALCINING AND SIZE CLASSIFICATION EQUIPMENT; CHEMICAL ANALYSIS LABORATORY; RADIOISOTOPES LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH PENNSYLVANIA STATE UNIVERSITY AND NORTH CAROLINA STATE UNIVERSITY

OUTPUTS: N/A

501
KENTERPRISE RESEARCH, INC.
JAMES KEANE, DIRECTOR
KENTERPRISE RESEARCH, INC.
23 SOUTH HARLAN STREET
YORK, PA 17404
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-757-6184

N.C.E.S. CODES
  2.030600
  14.210000
  17.020600
S.I.C. CODES
  99
KEYWORDS
  PROCESS
  CHEMICAL
  WATER TREATMENT
PERSONNEL
  2 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $150000.00

FACILITIES: ELECTRONICS, PILOT PLANT AND LABORATORIES

BUILDINGS: N/A

COLLECTIONS: 2000 VOLUME TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

502
KETRON, INC.
N/A, DIRECTOR

181

KETRON, INC.
1700 NORTH MOORE STREET, SUITE 1800
ARLINGTON, VA 22209
COUNTY
DEVELOPMENT REGION
PHONE: 703-558-8847

N.C.E.S. CODES
6.130200
S.I.C. CODES
99
KEYWORDS
OPERATIONS RESEARCH
PERSONNEL
176 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
44 TECHNICAL STAFF
39 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

503
KEY CHEMICALS, INC.
JAMES J. KEERS, DIRECTOR
KEY CHEMICALS, INC.
4346 TACONY STREET
PHILADELPHIA, PA 19124
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-744-5858

N.C.E.S. CODES
40.050600
40.050100
S.I.C. CODES
284
KEYWORDS
CHEMICAL SPECIALTIES
METAL FINISHING
PAINT STRIPPING
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: GAS CHROMATOGRAPH, SPECTROPHOTOMETER, ATOMIC ABSORPTION UNIT, SALT SPRAY AND HUMIDITY CHAMBERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

504
KEYSTONE CARBON COMPANY
MR. EUGENE H. GLEIXNER, DIRECTOR
RESEARCH DEPARTMENT
1935 STATE STREET
ST. MARYS, PA 15857
ELK COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 814-781-1591

N.C.E.S. CODES
0
S.I.C. CODES
349
367
KEYWORDS
POWDER METAL
THERMISTOR
PERSONNEL
3 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $750000.00

FACILITIES: SEM; ENERGY DISPENSING X-RAY ANALYZER; SPECTOGRAPH; X-RAY DIFFRACTOMETER; INFRARED SPECTROPHOTOMETER; DIALATOMETER; THERMOGRAVIMETRIC ANALYZER; GAS CHROMATOGRAPH; BET; STEREO PYCNOMETER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

505
KEYSTONE COLOR WORKS, INC.
ROBERT E. HAMME, DIRECTOR
PIGMENT RESEARCH AND QUALITY CONTROL
151 WEST GAY AVENUE
YORK, PA 17403
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-854-9541

N.C.E.S. CODES
40.050300
40.050400
S.I.C. CODES
281
286

KEYWORDS
  PIGMENT RESEARCH
  PIGMENT CONTROL
  PIGMENT PREPARATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $107035.00

FACILITIES: EQUIPMENT NEEDED TO PRODUCE ALL TYPES OF WATER BASED PIGMENTS

BUILDINGS: ONE MANUFACTURING AND ONE STORAGE BUILDING

COLLECTIONS: MAINTAINS A LIBRARY OF ALL TYPES OF BOOKS ON PIGMENTS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

506
KEYSTONE UNIVERSITY RESEARCH CORPORATION
DR. MARK IUTCOVICH, DIRECTOR
KEYSTONE UNIVERSITY RESEARCH CORPORATION
434 WEST 8TH STREET
ERIE, PA 16502
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-453-4713

N.C.E.S. CODES
  7.030000
  11.010000
  6.140200
S.I.C. CODES
  737
  891
  85
KEYWORDS
  MARKETING
  NEED ASSESSMENT
  ECONOMICS
PERSONNEL
  75 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  11 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00

FACILITIES: B1905 COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: SUNY/BUFFALO, CASE WESTERN RESERVE UNIVERSITY, EDINBORO STATE COLLEGE, CLEVELAND MUSEUM OF NATURAL HISTORY

OUTPUTS: N/A

507
KNOLL INTERNATIONAL, INC.
JOHN W. GRAHAM, DIRECTOR
DESIGN AND DEVELOPMENT
P.O. BOX 157, WATER STREET
EAST GREENVILLE, PA 18041
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-679-7991 EXT. 4701

N.C.E.S. CODES
  4.060000
  4.050000
  4.990000
S.I.C. CODES
  99
KEYWORDS
  EXECUTIVE OFFICE FURNITURE
  FURNITURE DESIGN AND DEVELOPMENT
PERSONNEL
  10 RESEARCH PROFESSIONALS
  20 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  5 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

508
KNOUSE FOODS COOPERATIVE, INC.
J. RICHARD COGLEY, DIRECTOR
KNOUSE FOODS RESEARCH LAB
N/A
PEACH GLEN, PA 17306
ADAMS COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-677-8181

N.C.E.S. CODES
  1.040100
  2.030100
  19.010000
S.I.C. CODES
  203
  208
  209
KEYWORDS
  APPLE UTILIZATION

FRUIT PROCESSING
PRODUCT PACKAGING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

FACILITIES: PILOT PLANT FOR FRUIT PROCESSING

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A COMPREHENSIVE PROCESSING AND FOOD LAW REFERENCE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

509
KOA SPEER ELECTRONICS
W.D. HAUSER, DIRECTOR
ENGINEERING DEPARTMENT
P.O. BOX 547
BRADFORD, PA 16701
MCKEAN COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 814-362-5536

N.C.E.S. CODES
0
S.I.C. CODES
367
KEYWORDS
RESISTORS
RESISTORS MATERIALS
PERSONNEL
3 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: COMPLETE QC LAB FOR TESTING DESC APPROVED

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

510
KON INC.
ALAN KRIGMAN, DIRECTOR
ICON INC.
211 S 45TH STREET
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-349-6500

N.C.E.S. CODES
6.140200
8.020000
S.I.C. CODES
739
KEYWORDS
INSTRUMENTATION
ELECTRONICS
CONTROL
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

FACILITIES: MICROCOMPUTERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

511
KOPPERS COMPANY, INC.
DR. A.W. LAWRENCE, DIRECTOR
SCIENCE AND TECHNOLOGY
KOPPERS BUILDING, K-2801, GRANT STREET
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-227-2000

N.C.E.S. CODES
40.050400
40.080100
14.140000
S.I.C. CODES
286
282
951
KEYWORDS
ORGANIC CHEMICAL SYNTHESIS
CATALYSIS RESEARCH
ADVANCED ENGINEERING MATERIALS
PERSONNEL
25 RESEARCH PROFESSIONALS
35 SUPPORT PROFESSIONALS
70 TECHNICAL STAFF
70 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT = $11500000.00

FACILITIES: ANALYTICAL LABORATORIES; COAL TESTING AND EVALUATION (METALLURGICAL) FACILITIES; SEVERAL PILOT PLANTS

BUILDINGS: HIGH PRESSURE LABORATORY; CARBONIZATION LABORATORY

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: SEVERAL UNIVERSITY RESEARCH CONTRACTS

OUTPUTS: N/A

512
KRAUTKRAMER - BRANSON
PAUL MEYER, DIRECTOR
NORTH AMERICAN RESEARCH AND DEVELOPMENT
P.O. BOX 350
LEWISTOWN, PA 17044
MIFFLIN COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-242-0327

N.C.E.S. CODES
  14.100000
  17.021200
  14.060000
S.I.C. CODES
  382
  384
KEYWORDS
  DIGITAL INSTRUMENTATION
  ANALOG ELECTRIC INSTRUMENTATION
  ULTRASONIC TRANSDUCERS
PERSONNEL
  18 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  14 TECHNICAL STAFF
  13 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $900000.00

FACILITIES: ENVIRONMENTAL ROOMS, RF TESTING ROOMS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

513
KTA-TATOR, INC.
MR. DWIGHT WELDON, DIRECTOR
KTA-TATOR INC.
115 TECHNOLOGY DRIVE
PITTSBURGH, PA 15275
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-788-1300

N.C.E.S. CODES
  14.070000
  40.050200
  40.059900
S.I.C. CODES
  899
  382
KEYWORDS
  MATERIAL SELECTION
  FAILURE ANALYSIS
  CORROSION SURVEY
PERSONNEL
  4 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  3 SUPPORT STAFF

FACILITIES: COMPLETE PHYSICAL AND TEST LAB, BLASTING EQUIPMENT AND SPRAY BOOTH

BUILDINGS: N/A

COLLECTIONS: COMPLETE PAINT LIBRARY

COOPERATIVE ARRANGEMENTS: STEEL STRUCTURES PAINTING COUNCIL (SSPC), ASTM, NACE

OUTPUTS: N/A

514
KULICKE & SOFFA INDUSTRIES, INC.
DR. MICHAEL NEGIN, DIRECTOR
R&D DEPARTMENT
507 PRUDENTIAL ROAD
HORSHAM, PA 19044
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-443-5310

N.C.E.S. CODES
  14.190000
  14.100000
  14.090000
S.I.C. CODES
  359
  369
  382
KEYWORDS
  PROTOTYPES
  DEVELOPMENT TOOLS
  TECHNOLOGY, COORDINATION AND TRANSFER
PERSONNEL
  18 RESEARCH PROFESSIONALS
  36 SUPPORT PROFESSIONALS

7 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $9000000.00

FACILITIES: COMPUTER CENTER, AUTOMATIC TESTING EQUIPMENT, DIGITAL IMAGE PROCESSING, AND MACHINE SHOP

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

515
KUTZTOWN STATE COLLEGE
DR. J.W. BAHORIK, DIRECTOR
GREENWICH TOWNSHIP ENVIRONMENTAL ANALYSIS PROJECT
N/A
KUTZTOWN, PA 19530
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-683-4310

N.C.E.S. CODES
4.000000
26.060300
S.I.C. CODES
951
KEYWORDS
ENVIRONMENT ANALYSIS
FIELD STUDY
ECOLOGY
PERSONNEL
9 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: REPORTS AND SEVERAL TV TAPES

516
KUTZTOWN STATE COLLEGE
DR. J.W. BAHORIK, DIRECTOR
PERIPHYTON IN RELATION TO NON-POINT POLLUTION
DEPARTMENT OF BIOLOGY
KUTZTOWN, PA 19530
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-683-4310

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
POLLUTION
PERIPHYTON
NON-POINT SOURCE POLLUTION
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: FIELD TEST KITS, MICROSCOPY EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PROGRESS REPORT, FIELD DATA USED IN TRAINING SEMINAR FOR PENNSYLVANIA DEPARTMENT OF TRANSPORTATION, NEWSPAPER ARTICLES

517
L.H. LINCOLN & SON, INC.
BERNARD JUDD, DIRECTOR
L.H. LINCOLN LABORATORY
412 VINE STREET
COUDERSPORT, PA 16915
POTTER COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 814-274-9200

N.C.E.S. CODES
1.049900
S.I.C. CODES
289
355
KEYWORDS
PROBLEM SOLVING
LEATHER INDUSTRY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $85000.00

FACILITIES: COMPLETE TESTING LAB FOR TREE BARKS, NUTS, LEAVES, LEATHERS AND ASSOCIATED CHEMICALS

BUILDINGS: N/A

COLLECTIONS: VERY COMPREHENSIVE COLLECTION ON TANNING, WOODS AND WOOD PRODUCTS; ALSO HAVE MANY VOLUMES ON HIDES AND SKINS

COOPERATIVE ARRANGEMENTS: WITH PLANTS IN KENTUCKY, WEST VIRGINIA, OHIO, PENNSYLVANIA, CANADA, AND INDIANA

OUTPUTS: N/A

518
LANCASTER - LEBANON INTERMEDIATE UNIT NO. 13
LEE R. RHODES, DIRECTOR
LANCASTER - LEBANON INTERMEDIATE UNIT NO. 13
1110 ENTERPRISE ROAD
EAST PETERSBURG, PA 17520
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-569-7331

N.C.E.S. CODES
6.060000
6.150000
11.000000
S.I.C. CODES
99
KEYWORDS
EDUCATIONAL PLANNING
EDUCATIONAL SUPPORT SERVICES
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: ACCESS TO RISE (RESEARCH INFORMATION)

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

519
LANCASTER LABORATORIES INC.
DR. FRED ALBRIGHT, DIRECTOR
LANCASTER LABORATORIES INC.
2425 NEW HOLLAND PIKE
LANCASTER, PA 17601
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-656-2301

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
INDEPENDENT RESEARCH
DEVELOPMENT AND COMMERCIAL TESTING LAB
PERSONNEL
12 RESEARCH PROFESSIONALS
13 SUPPORT PROFESSIONALS
26 TECHNICAL STAFF
11 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

520
LANGUAGE RESEARCH ASSOCIATES
N/A, DIRECTOR
LANGUAGE RESEARCH ASSOCIATES
7115 CHEW AVENUE
PHILADELPHIA, PA 19119
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-248-0514

N.C.E.S. CODES
11.990000
42.120000
S.I.C. CODES
99
KEYWORDS
NATURAL LANGUAGE PROCESSING
LINGUISTIC RESEARCH
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $35000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

521
LATROBE STEEL COMPANY, SUBSIDIARY OF THE
TIMKEN CO.
DR. RODNEY H. KLUNDT, DIRECTOR
RESEARCH
2626 SOUTH LIGONIER STREET
LATROBE, PA 15650
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-537-7711, EXT. 250

N.C.E.S. CODES
40.070100

S.I.C. CODES
331
KEYWORDS
TOOL STEELS
STAINLESS STEELS
SPECIALTY ALLOYS
PERSONNEL
7 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: VACUUM AND AIR MELTING, TOOL STEEL FAILURE ANALYSIS, AND BASIC METALLURGICAL LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

522
LAVA CRUCIBLE - REFRACTORIES CO.
ELDON D. MILLER, DIRECTOR
H.E. WHITE LABORATORY
BOX 278
ZELIENOPLE, PA 16063
BUTLER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-452-6050

N.C.E.S. CODES
14.060000
S.I.C. CODES
281
862
KEYWORDS
REFRACTORY PRODUCTS
INDUSTRIAL DEVELOPMENT
PRODUCT RESEARCH
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $245000.00

FACILITIES: HYDRAULIC AND ISOSTATIC PRESSES, MIXERS, HEAT TREATING FURNACES TO 3200 DEGREES FAHRENHEIT, INDUCTION METAL MELTING FACILITIES, SPECTROGRAPH, X-RAY DIFFRACTOMETER

BUILDINGS: N/A

COLLECTIONS: REFRACTORY LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

523
LAVELLE AIRCRAFT CO.
N/A, DIRECTOR
LAVELLE AIRCRAFT CO.
20 STERLING STREET
NEWTOWN, PA 18940
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-968-3838

N.C.E.S. CODES
0
S.I.C. CODES
349
KEYWORDS
PROTOTYPES
SPECIAL FABRICATIONS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

524
LAWRENCE G. SPIELVOGEL, INC.
LAWRENCE G. SPIELVOGEL, DIRECTOR
LAWRENCE G. SPIELVOGEL, INC.
WYNCOTE HOUSE
WYNCOTE, PA 19095
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-887-5600

N.C.E.S. CODES
4.020000
14.040000
14.190000
S.I.C. CODES
891
KEYWORDS
ENERGY
BUILDINGS
CONSERVATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

FACILITIES: INSTRUMENTATION

BUILDINGS: N/A

COLLECTIONS: MAINTAINS AN EXTENSIVE LIBRARY ON ENERGY IN BUILDINGS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

525
LEARNING AND EVALUATION ASSOCIATES
LESTER S. GOLUB, DIRECTOR
LEARNING AND EVALUATION ASSOCIATES
448 SYLVAN DRIVE
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-7853

N.C.E.S. CODES
- 10.010100
- 11.010000
- 42.120000

S.I.C. CODES
- 489
- 737
- 941

KEYWORDS
- MICROCOMPUTER SOFTWARE
- EDUCATIONAL EVALUATION
- MANAGEMENT ANALYSIS

PERSONNEL
- 1 RESEARCH PROFESSIONALS
- 2 SUPPORT PROFESSIONALS
- 2 TECHNICAL STAFF
- 1 SUPPORT STAFF

CURRENT FUNDING
- AVERAGE AMOUNT = $4000.00

FACILITIES: MICROCOMPUTER AND PERIPHERALS

BUILDINGS: N/A

COLLECTIONS: RESOURCE MATERIALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

526
LEE INDUSTRIES, INC.
L.H. PRICE, DIRECTOR
LEE RESEARCH AND DEVELOPMENT
P.O. BOX 537
PORT MATILDA, PA 16870
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-692-5566

N.C.E.S. CODES
- 14.190000
- 17.021200
- 17.039900

S.I.C. CODES
- 349

KEYWORDS
- ADVANCED TECHNOLOGY EQUIPMENT
- TECHNOLOGY SYSTEMS
- ALLOY AND SANITARY EQUIPMENT

PERSONNEL
- 10 RESEARCH PROFESSIONALS
- 45 SUPPORT PROFESSIONALS
- 6 TECHNICAL STAFF
- 20 SUPPORT STAFF

FACILITIES: LEE LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

527
LEHIGH UNIVERSITY
DR. MARVIN CHARLES, DIRECTOR
BIOTECHNOLOGY RESEARCH CENTER
556 WHITAKER LAB
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4268

N.C.E.S. CODES
- 14.070000
- 26.020000
- 26.050000

S.I.C. CODES
- 892
- 286
- 283

KEYWORDS
- FERMENTATION
- ENZYMES
- MICROBIOLOGY

PERSONNEL
- 13 RESEARCH PROFESSIONALS
- 3 SUPPORT PROFESSIONALS
- 20 TECHNICAL STAFF
- 1 SUPPORT STAFF

CURRENT FUNDING
- AVERAGE AMOUNT = $315200.00

PAST FUNDING
- AVERAGE AMOUNT = $93200.00

FACILITIES: EXTENSIVE FERMENTATION EQUIPMENT RANGING FROM 500CC TO 300L

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: BIOTECHNOLOGY INDUSTRIAL LIAISON PROGRAM

OUTPUTS: OVER 80 PROFESSIONAL PUBLICATIONS, CONSULTING

528
LEHIGH UNIVERSITY
DR. D.E. ABBOTT, DIRECTOR
CAD/CAM
DEPARTMENT OF MECHANICAL ENGINEERING
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4102

N.C.E.S. CODES
  14.190000
  30.030100
  10.010100
S.I.C. CODES
  381
KEYWORDS
  CAD/CAM
  COMPUTER GRAPHICS
PERSONNEL
  29 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  8 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $129620.00

FACILITIES: VS11 3-D COLOR GRAPHICS PACKAGE; ANIMATION SOFTWARE FOR FINITE ELEMENT ANALYSIS; N/C TOOL PATH SIMULATON (CLSF TO VS11); INTERFACE PROGRAMS: GFEM TO VS11 3-D GRAPHICS PACKAGE; GFEM TO SUPERTAB; UGRAF PARTS TO SUPERTAB; UGRAF PARTS TO VS11 3D GRAPHICS PACKAGE; MOVIE. BYU FOR VS11 GRAPHICS (GFEM TO MOVIE.BYU); VAL ROBOT SIMULATOR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL PUBLICATIONS, CONSULTING

529
LEHIGH UNIVERSITY
DR. NED HEINDEL, DIRECTOR
CENTER FOR HEALTH SCIENCES
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3645

N.C.E.S. CODES
  40.050500
  18.020300
  18.101200
S.I.C. CODES
  283
  809
  892
KEYWORDS
  BIO-MEDICAL RESEARCH
  DIAGNOSTIC TECHNIQUES
  PHARMACEUTICAL
PERSONNEL
  20 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  34 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $476200.00
PAST FUNDING
  AVERAGE AMOUNT = $424600.00

FACILITIES: HIGH PERFORMANCE LIQUID CHROMATOGRAPHS, BETA RADIATION COUNTER, PHASE-CONSTANT MICROSCOPE

BUILDINGS: ANIMAL COLONY ANIMAL SURGERY SUITE

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 125 PUBLICATIONS, CONSULTING

530
LEHIGH UNIVERSITY
DR. DONALD J. HILLMAN, DIRECTOR
CENTER FOR INFORMATION AND COMPUTER SCIENCE
MART LIBRARY NO. 8
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3063

N.C.E.S. CODES
  11.040000
  11.030000
  11.050000
S.I.C. CODES
  737
  489
KEYWORDS
  DATABASE SYSTEMS
  DECISION SUPPORT
  ARTIFICIAL INTELLIGENCE
PERSONNEL
  6 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS

8 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $280000.00
PAST FUNDING
AVERAGE AMOUNT = $253479.00

FACILITIES: MICROCOMPUTERS, MINICOMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: PARTICIPANT IN CAP LIAISON PROGRAM

OUTPUTS: OVER 45 PROFESSIONAL PUBLICATIONS, CONSULTING

531
LEHIGH UNIVERSITY
DR. IRWIN J. KUGELMAN, DIRECTOR
CENTER FOR MARINE AND ENVIROMENTAL STUDIES
CHANDLER-ULLMANN
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3651

N.C.E.S. CODES
14.140000
14.080000
26.060000
S.I.C. CODES
892
951
KEYWORDS
WASTE RECYCLE
ENVIRONMENTAL QUALITY
PUBLIC HEALTH
PERSONNEL
20 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
21 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $489000.00
PAST FUNDING
AVERAGE AMOUNT = $566000.00

FACILITIES: OPERATES WETLANDS INSTITUTE

BUILDINGS: ENVIRONMENTAL ENGINEERING SMALL PILOT PLANT LABORATORY

COLLECTIONS: MAINTAINS A SMALL SPECIALIZED LIBRARY ON MARINE SCIENCE AND ENVIRONMENTAL ENGINEERING

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 45 PROFESSIONAL PUBLICATIONS, CONSULTING

532
LEHIGH UNIVERSITY
DR. ROY C. HERRENKOHL, DIRECTOR
CENTER FOR SOCIAL RESEARCH
10 WEST FOURTH STREET
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-380

N.C.E.S. CODES
42.020000
42.160000
45.060100
S.I.C. CODES
99
KEYWORDS
AGING AND HEALTH
FAMILY DYNAMICS
URBAN TECHNOLOGY
PERSONNEL
12 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $318604.00
PAST FUNDING
AVERAGE AMOUNT = $358958.00

FACILITIES: MICROPROCESSORS, COMPUTER TERMINALS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: LIAISON PROGRAM

OUTPUTS: OVER 35 PROFESSIONAL PUBLICATIONS, CONSULTING

533
LEHIGH UNIVERSITY
DR. HENRY LEIDHEISER, DIRECTOR
CENTER FOR SURFACE AND COATINGS RESEARCH
SINCLAIR LAB
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3600

N.C.E.S. CODES
14.180000
40.050600
S.I.C. CODES
285

282
279
KEYWORDS
SURFACE SCIENCE
COATINGS
CORROSION
PERSONNEL
12 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2135000.00
PAST FUNDING
AVERAGE AMOUNT = $1800000.00

FACILITIES: SPECIALIZED EQUIPMENT FOR SURFACE ANALYSIS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: EMULSION POLYMERS LIAISON PROGRAM

OUTPUTS: ALMOST 150 PROFESSIONAL PUBLICATIONS, CONSULTING

534
LEHIGH UNIVERSITY
DR. GERALD F. SMITH, DIRECTOR
CENTER FOR THE APPLICATION OF MATHEMATICS
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3807

N.C.E.S. CODES
27.030000
14.110000
14.050000
S.I.C. CODES
99
KEYWORDS
APPLIED MATHEMATICS
APPLIED MECHANICS
BIOMECHANICS
PERSONNEL
10 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $121200.00
PAST FUNDING
AVERAGE AMOUNT = $118054.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: LIAISON PROGRAM

OUTPUTS: OVER 65 PROFESSIONAL PUBLICATIONS, CONSULTING

535
LEHIGH UNIVERSITY
DR. DOYLE DAVES, DIRECTOR
CHEMISTRY
SEELEY MUDD NO. 6
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3471

N.C.E.S. CODES
40.050000
40.050600
S.I.C. CODES
28
282
285
KEYWORDS
SURFACE CHEMISTRY
POLYMERS
CATALYSIS
PERSONNEL
25 RESEARCH PROFESSIONALS
18 SUPPORT PROFESSIONALS
59 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1750000.00
PAST FUNDING
AVERAGE AMOUNT = $1750000.00

FACILITIES: SPECTROMETERS, LIQUID CHROMATOGRAPH, SPINNING DROP INTERFACIAL TENSIOMETER, VARIAN HPLC MODEL 5000, INFRARED LASER, SPECTROPHOTOMETERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 275 PROFESSIONAL PUBLICATIONS, A PATENT, CONSULTING

536
LEHIGH UNIVERSITY
DR. J. GARY LUTZ, DIRECTOR
COMPUTING CENTER
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION

PHONE: 215-861-3830

N.C.E.S. CODES
  0
S.I.C. CODES
  99
KEYWORDS
  ACADEMIC COMPUTING SERVICES
  RESEARCH COMPUTING SERVICES
PERSONNEL
  17 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  10 TECHNICAL STAFF
  4 SUPPORT STAFF

FACILITIES: CYBER DUAL 730, DEC SYSTEM 2060, PDP 11/34

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: COMPUTER ASSOCIATES PROGRAM (CAP)

OUTPUTS: CONSULTING

537
LEHIGH UNIVERSITY
DR. LYNN S. BEEDLE, DIRECTOR
COUNCIL ON TALL BUILDINGS AND URBAN HABITAT
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3515

N.C.E.S. CODES
  4.010000
  4.990000
  14.080000
S.I.C. CODES
  862
  154
  162
KEYWORDS
  TALL BUILDINGS
  BUILDING DESIGN
  STRUCTURES
PERSONNEL
  6 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $48000.00
PAST FUNDING
  AVERAGE AMOUNT = $40000.00

BUILDINGS: N/A

COLLECTIONS: FRITZ ENGINEERING LIBRARY COLLECTION OF CONFERENCE PREPRINTS AND PROCEEDINGS, COMPUTERIZED CATALOG OF TALL BUILDINGS, BIBLIOGRAPHIES

COOPERATIVE ARRANGEMENTS: LIAISON PROGRAM

OUTPUTS: OVER 55 PUBLICATIONS, CONSULTING

538
LEHIGH UNIVERSITY
DR. BARRY BEAN, DIRECTOR
DEPARTMENT OF BIOLOGY
WILLIAMS HALL 31
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3680

N.C.E.S. CODES
  26.040000
  26.060700
  26.050000
S.I.C. CODES
  99
KEYWORDS
  ENVIRONMENTAL PHYSIOLOGY
  ECOSYSTEMS TOXICOLOGY
  MOLECULAR BIOLOGY
PERSONNEL
  14 RESEARCH PROFESSIONALS
  20 SUPPORT PROFESSIONALS
  7 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $306000.00
PAST FUNDING
  AVERAGE AMOUNT = $200000.00

FACILITIES: MICROBIAL AND ANIMAL CELL CULTURE COLLECTIONS, FULL LABORATORY AND FIELD ANALYTIC CAPABILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 65 PROFESSIONAL PUBLICATIONS, CONSULTING

539
LEHIGH UNIVERSITY
DR. LEN WENZEL, DIRECTOR
DEPARTMENT OF CHEMICAL ENGINEERING
BUILDING 5
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY

LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4260

N.C.E.S. CODES
14.070000
11.050000
14.120000
S.I.C. CODES
282
291
KEYWORDS
THERMOFLUIDS
POLYMER SCIENCE
REACTION KINETICS
PERSONNEL
15 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
100 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2388673.00
PAST FUNDING
AVERAGE AMOUNT = $1260951.00

FACILITIES: VARIOUS INSTRUMENTED FERMENTERS

BUILDINGS: N/A

COLLECTIONS: MART LIBRARY CONTAINING A GENERAL TECHNICAL COLLECTION OF SOME 200000 VOLUMES AND A COMPUTER INFORMATION NETWORK

COOPERATIVE ARRANGEMENTS: COOPERATIVE ACTIVITY WITH A WIDE RANGE OF INDUSTRIAL AND GOVERNMENT LABORATORIES AND TECHNICAL GROUPS

OUTPUTS: TWO PATENTS, CONSULTING

540
LEHIGH UNIVERSITY
DR. JAMES B. HOBBS, DIRECTOR
DEPARTMENT OF MANAGEMENT, FINANCE AND MARKETING
DROWN HALL 35
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3441

N.C.E.S. CODES
6.100000
6.030000
6.040400
S.I.C. CODES
99
KEYWORDS
FOREIGN EXCHANGE
CORPORATE FAILURE
MERGERS
PERSONNEL
7 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 15 PUBLICATIONS, CONSULTING

541
LEHIGH UNIVERSITY
DR. DOUGLAS E. ABBOTT, DIRECTOR
DEPARTMENT OF MECHANICAL ENGINEERING & MECHANICS
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4119

N.C.E.S. CODES
14.110000
14.190000
S.I.C. CODES
351
381
KEYWORDS
MECHANICS OF MATERIALS
LASER VELOCIMETERS
RAMAN SPECTROSCOPY
PERSONNEL
5 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $273000.00
PAST FUNDING
AVERAGE AMOUNT = $198000.00

FACILITIES: LASER VELOCIMETERS, FIBER OPTIC LASER VELOCIMETERS; RAMAN SPECTROSCOPY FOR TEMPERATURE MEASUREMENT APPARATUS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: APPROXIMATELY 15 PROFESSIONAL PUBLICATIONS, CONSULTING

542
LEHIGH UNIVERSITY
DR. ELI SCHWARTZ, DIRECTOR
ECONOMICS
DROWN HALL

BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3420

N.C.E.S. CODES
45.060100
6.110000
6.050000
S.I.C. CODES
892
93
KEYWORDS
FINANCE
TAXATION
ECONOMICS
PERSONNEL
14 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $40000.00
PAST FUNDING
AVERAGE AMOUNT = $25000.00

BUILDINGS: N/A

COLLECTIONS: ALL ECONOMICS PERIODICALS, GOVERNMENTAL DEPORTATION LIBRARY

COOPERATIVE ARRANGEMENTS: CAP PROGRAM; WITH THE ADJOINING DEPARTMENTS OF LAW, ACCOUNTING, AND FINANCE

OUTPUTS: OVER 80 PROFESSIONAL PUBLICATIONS, CONSULTING

543
LEHIGH UNIVERSITY
DR. N. EBERHARDT, DIRECTOR
ELECTRICAL AND COMPUTER ENGINEERING
BUILDING 19
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4061

N.C.E.S. CODES
14.090000
14.100000
14.130000
S.I.C. CODES
366
362
367
KEYWORDS
COMPUTER ENGINEERING
SOLID STATE DEVICES
ELECTRONIC CIRCUIT
PERSONNEL
21 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $450000.00
PAST FUNDING
AVERAGE AMOUNT = $270000.00

FACILITIES: LABORATORIES FOR ELECTRONICS, COMPUTER AND SOLID STATE RESEARCH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: IBM

OUTPUTS: 75 PROFESSIONAL PUBLICATIONS, 2 PATENTS, CONSULTING

544
LEHIGH UNIVERSITY
DR. EDWARD K. LEVY, DIRECTOR
ENERGY RESEARCH CENTER
440 BRODHEAD AVENUE
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4090

N.C.E.S. CODES
14.070000
14.180000
14.190000
S.I.C. CODES
892
KEYWORDS
ENERGY
ENVIRONMENT
THERMO DYNAMICS
PERSONNEL
40 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
75 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2225000.00
PAST FUNDING
AVERAGE AMOUNT = $1906000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ENERGY LIAISON PROGRAM WITH INDUSTRY AND GOVERNMENT

OUTPUTS: NEARLY 200 PROFESSIONAL PUBLICATIONS, CONSULTING

545
LEHIGH UNIVERSITY
DR. LYNN S. BEEDLE, DIRECTOR
FRITZ ENGINEERING LAB
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3515

N.C.E.S. CODES
  14.080000
  14.140000
  40.070300
S.I.C. CODES
  891
KEYWORDS
  STRUCTURES
  HYDRAULICS
  GEOTECHNICS
PERSONNEL
  22 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  28 TECHNICAL STAFF
  11 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1538400.00
PAST FUNDING
  AVERAGE AMOUNT = $1418200.00

FACILITIES: FIVE UNIVERSAL TESTING MACHINES WITH THE LARGEST HAVING A LOAD OF 5000000 LBS.; AMSLER FATIGUE AND FRACTURE TESTING EQUIPMENT (MAXIMUM LOAD OF 220000 LBS.); SPECIAL LABS FOR CONCRETE, HYDRAULICS, INSTRUMENTS, AND MATERIALS TESTING; SANITARY ENGINEERING, GEOTECHNICAL ENGINEERING, STRUCTURES, AND WELDING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: INDUSTRIAL TESTING PROGRAM

OUTPUTS: OVER 100 PUBLICATIONS, CONSULTING

546
LEHIGH UNIVERSITY
DR. CHARLES SCLAR, DIRECTOR
GEOLOGICAL SCIENCES
WILLIAMS HALL 31
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3660

N.C.E.S. CODES
  40.060100
  40.060200
  40.060300
S.I.C. CODES
  892
KEYWORDS
  MARINE GEOLOGY
  PETROLOGY
  MINEROLOGY
PERSONNEL
  8 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $410000.00
PAST FUNDING
  AVERAGE AMOUNT = $515000.00

FACILITIES: ULTRA-HIGH PRESSURE "BELT" DEVICES, CAPABILITY 140 KILOBARS AND 1500 DEGREES CENTIGRADE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 55 PROFESSIONAL PUBLICATIONS, CONSULTING

547
LEHIGH UNIVERSITY
DR. GEORGE E. KANE, DIRECTOR
INDUSTRIAL ENGINEERING
PACKARD LAB 19
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4050

N.C.E.S. CODES
  14.170000
S.I.C. CODES
  99
KEYWORDS
  PRODUCTIVITY
  FACILITIES UTILIZATION
  WORK MEASUREMENT SYSTEMS
PERSONNEL
  11 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $25000.00
PAST FUNDING
  AVERAGE AMOUNT = $25000.00

FACILITIES: STRONG COMPUTER FACILITIES FOR COMPUTER-AIDED MAG AND INFORMATION SYSTEMS DEVELOPMENT; MICROPROCESSOR APPLICATIONS AND MANUFACTURING PROCESSES LANGUAGE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: 60 PROFESSIONAL PUBLICATIONS, CONSULTING

548
LEHIGH UNIVERSITY
DR. GEORGE C. SIH, DIRECTOR
INSITUTE OF FRACTURE AND SOLID MECHANICS
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4130

N.C.E.S. CODES
- 14.110000
- 14.050000
- 18.101600

S.I.C. CODES
- 339
- 354
- 807

KEYWORDS
- FRACTURE MECHANICS
- BIOMECHANICS
- LIFE PREDICTION

PERSONNEL
- 15 RESEARCH PROFESSIONALS
- 10 SUPPORT PROFESSIONALS
- 1 TECHNICAL STAFF
- 2 SUPPORT STAFF

CURRENT FUNDING
- AVERAGE AMOUNT = $437875.00

PAST FUNDING
- AVERAGE AMOUNT = $344925.00

FACILITIES: MATERIAL TESTING AND BIOENGINEERING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: LIAISON PROGRAM

OUTPUTS: 40 PROFESSIONAL PUBLICATIONS, CONSULTING

549
LEHIGH UNIVERSITY
DR. BETZALEL AVITZUR, DIRECTOR
INSTITUTE FOR METAL FORMING
N/A
BETHLEHEM, PA
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4233

N.C.E.S. CODES
- 14.170000
- 14.110000
- 14.200000

S.I.C. CODES
- 335
- 341
- 346

KEYWORDS
- METAL FORMING
- PROCESS MODELING
- EXTRUSION

PERSONNEL
- 3 RESEARCH PROFESSIONALS
- 5 SUPPORT PROFESSIONALS
- 6 TECHNICAL STAFF
- 1 SUPPORT STAFF

CURRENT FUNDING
- AVERAGE AMOUNT = $75000.00

PAST FUNDING
- AVERAGE AMOUNT = $100000.00

FACILITIES: HYDROSTATIS EXTRUSION UNITS, PLASTECINE SIMULATION EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: IMF LIAISON

OUTPUTS: OVER 25 PROFESSIONAL PUBLICATIONS, CONSULTING

550
LEHIGH UNIVERSITY
DR. RAY BELL, DIRECTOR
INSTITUTE FOR RESEARCH & DEVELOPMENT IN EDUCATION
526 BRODHEAD
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3250

N.C.E.S. CODES
- 42.990000
- 10.010100

S.I.C. CODES
- 99

KEYWORDS
- EXCEPTIONAL LEARNERS
- VOCATIONAL ASSESSMENT
- PSYCHOLOGICAL TESTING AND MEASUREMENT

PERSONNEL
- 18 RESEARCH PROFESSIONALS
- 0 SUPPORT PROFESSIONALS
- 14 TECHNICAL STAFF
- 7 SUPPORT STAFF

CURRENT FUNDING
AVERAGE AMOUNT = $409000.00
PAST FUNDING
AVERAGE AMOUNT = $232000.00

FACILITIES: EDUCATIONAL TECHNOLOGY LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: 30 PROFESSIONAL PUBLICATIONS, CONSULTING

551
LEHIGH UNIVERSITY
DR. ROGER NAGEL, DIRECTOR
INSTITUTE OF ROBOTICS
PACKARD 19
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4667

N.C.E.S. CODES
14.000000
14.170000
11.050000
S.I.C. CODES
356
381
KEYWORDS
ROBOTICS
MANUFACTURING
CONTROL SYSTEMS
PERSONNEL
16 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: TWO ROBOTS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WORKING CLOSELY WITH CAD/CAM PROGRAM/FACILITIES

OUTPUTS: N/A

552
LEHIGH UNIVERSITY
DR. JOHN C. CHEN, DIRECTOR
INSTITUTE OF THERMO-FLUID ENGINEERING AND SCIENCE
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4091

N.C.E.S. CODES
14.070000
14.190000
14.230000
S.I.C. CODES
491
496
KEYWORDS
HEAT TRANSFER
FLUID FLOW
THERMODYNAMICS
PERSONNEL
20 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
25 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $800000.00
PAST FUNDING
AVERAGE AMOUNT = $880000.00

FACILITIES: COMBUSTOR, FLOW TEST RIGS, FLUIDIZED BEDS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: THERMO-FLUID LIAISON PROGRAM WITH INDUSTRY

OUTPUTS: OVER 35 PROFESSIONAL PUBLICATIONS, CONSULTING

553
LEHIGH UNIVERSITY
DR. DONALD SMYTH, DIRECTOR
MATERIALS RESEARCH CENTER
BUILDING 32
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3850

N.C.E.S. CODES
14.180000
40.050600
14.000000
S.I.C. CODES
167
282
344
KEYWORDS
MATERIAL RESEARCH
POLYMERS
CERAMICS

PERSONNEL
14 RESEARCH PROFESSIONALS
9 SUPPORT PROFESSIONALS
48 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1482400.00
SOURCES: NATIONAL SCIENCE FOUNDATION; DEPARTMENT OF ENERGY; OFFICE OF NAVAL RESEARCH; DEPARTMENT OF TRANSPORTATION; MATERIALS LIAISON PROGRAM
PAST FUNDING
AVERAGE AMOUNT = $1386900.00
SOURCES: NATIONAL SCIENCE FOUNDATION; DEPARTMENT OF ENERGY; OFFICE OF NAVAL RESEARCH; DEPARTMENT OF TRANSPORTATION; MATERIALS LIAISON PROGRAM

FACILITIES: SCANNING AND TRANSMISSION ELECTRON MICROSCOPES, ANALYTICAL ELECTRON MICROSCOPE, ELECTRON PROBE MICROANALYZER, AUTOMATED FATIGUE TEST FACILITY, AUTOMATED MECHANICAL SPECTROSCOPY, HIGH TEMPERATURE ELECTRICAL CONDUCTIVITY, SINTERING AND HOT PRESSING, SILICON DEVICE PREPARATION FACILITIES, SPECTRALLY RESOLVED PHOTOEXCITATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: MATERIALS LIAISON PROGRAM — COOPERATIVE TECHNICAL ASSISTANCE TO INDUSTRIAL AND GOVERNMENT LABS

OUTPUTS: OVER 145 PROFESSIONAL PUBLICATIONS, CONSULTING

554
LEHIGH UNIVERSITY
DR. W. BEALL FOWLER, DIRECTOR
PHYSICS
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3930

N.C.E.S. CODES
40.080500
40.080400
40.089900
S.I.C. CODES
381
892
KEYWORDS
GAS PARTICULATE INTERACTIONS
FLUIDS
NUCLEAR
PERSONNEL
10 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $309000.00
PAST FUNDING
AVERAGE AMOUNT = $236000.00

FACILITIES: SHOCK TUBES, BASERS, COMPUTERS, FURNACES, SPECTROPHOTOMETERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 65 PROFESSIONAL PUBLICATIONS, CONSULTING

555
LEHIGH UNIVERSITY
DR. WILLIAM NEWMAN, DIRECTOR
PSYCHOLOGY
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3630

N.C.E.S. CODES
42.080000
42.050000
42.070000
S.I.C. CODES
99
KEYWORDS
COGNITIVE
LEARNING
CHEMICAL COMMUNICATION
PERSONNEL
11 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $33000.00
PAST FUNDING
AVERAGE AMOUNT = $5000.00

FACILITIES: HUMAN AND ANIMAL EXPERIMENTAL LABS

BUILDINGS: N/A

COLLECTIONS: LEHIGH LIBRARY PERIODICAL AND MICROGRAPH COLLECTION IN PSYCHOLOGY

COOPERATIVE ARRANGEMENTS: LEHIGH CAP PROGRAM

OUTPUTS: OVER 50 PROFESSIONAL PUBLICATIONS, CONSULTING

556
LEHIGH UNIVERSITY
DR. WESLEY R. SMITH, DIRECTOR
SHERMAN FAIRCHILD LABORATORY
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3950

N.C.E.S. CODES
14.100000
14.180000
40.080800
S.I.C. CODES
99
KEYWORDS
ELECTRONIC MATERIALS
SILICON TECHNOLOGY
COMPOUND SEMICONDUCTORS
PERSONNEL
12 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
25 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $800000.00
PAST FUNDING
AVERAGE AMOUNT = $820000.00

FACILITIES: THREE MEV VAN DE GRAFF AND INTEGRATED CIRCUIT DEVICE FABRICATION LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: LIAISON PROGRAM

OUTPUTS: N/A

557
LEHIGH UNIVERSITY
DR. JOHN BONGE, DIRECTOR
SMALL BUSINESS INSTITUTE
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3980

N.C.E.S. CODES
6.180100
6.189900
3.040000
S.I.C. CODES
239
KEYWORDS
SMALL BUSINESS DEVELOPMENT
SMALL BUSINESS OPERATIONS
ECONOMICS, MANAGEMENT
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $260000.00
PAST FUNDING
AVERAGE AMOUNT = $220000.00

FACILITIES: COMPUTER TERMINAL AND PRINTER

BUILDINGS: N/A

COLLECTIONS: NEWSLETTERS, PUBLICATIONS, BOOKS, CONFERENCE PROCEEDINGS, WHICH ARE ALL RELATED TO SMALL BUSINESS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ONE PROFESSIONAL PUBLICATION, CONSULTING

558
LEHIGH UNIVERSITY
DR. JEFFREY MILET, DIRECTOR
SPEECH AND DRAMA
CHANDLER 17
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3640

N.C.E.S. CODES
10.010400
14.190000
40.080700
S.I.C. CODES
364
383
359
KEYWORDS
THEATER TECHNOLOGY
THEATER DESIGN
LIGHTING DESIGN
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

559
LEHIGH UNIVERSITY
DR. LYNN S. BEEDLE, DIRECTOR
STRUCTURE STABILITY RESEARCH COUNCIL
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-3515

N.C.E.S. CODES
14.080000
14.110000
14.220000
S.I.C. CODES
869
892
KEYWORDS
STRUCTURAL STABILITY
DESIGN GUIDE
TECHNICAL COUNSEL
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $52850.00
PAST FUNDING
AVERAGE AMOUNT = $44309.00

BUILDINGS: N/A

COLLECTIONS: A SMALL LIBRARY CONTAINING PUBLICATIONS RESULTING FROM COUNCIL SPONSERED AND RELATED WORK, PLUS PUBLICATIONS OF INTEREST DONATED BY THE AUTHORS IS MAINTAINED AT COUNCIL HEADQUARTERS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 10 PUBLICATIONS, CONSULTING

560
LEHIGH UNIVERSITY
R.D. STOUT, DIRECTOR
WELDING LABORATORY
WHITAKER LAB 5
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4228

N.C.E.S. CODES
14.200000
40.070100
14.990000
S.I.C. CODES
344
356
355
KEYWORDS
WELDING
JOINING
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $130000.00
SOURCES: WELDING RESEARCH COUNCIL AMERICAN PETROLEUM INSTITUTE
PAST FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: WELDING RESEARCH COUNCIL AMERICAN PETROLEUM INSTITUTE

FACILITIES: WELDING PROCESS EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 25 PROFESSIONAL PUBLICATIONS, CONSULTING

561
LEHIGH UNIVERSITY
DR. VINCENT G. GUIDA, DIRECTOR
WETLANDS INSTITUTE
N/A
BETHLEHEM, PA 18015
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-861-4412

N.C.E.S. CODES
26.060700
14.080000
40.060100
S.I.C. CODES
99
KEYWORDS
ESTUARINE RESEARCH
WETLANDS
ENVIRONMENTAL SCIENCES
PERSONNEL
14 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $167000.00
PAST FUNDING
AVERAGE AMOUNT = $211000.00

FACILITIES: RUNNING SEAWATER SYSTEM, RESEARCH VESSELS

BUILDINGS: LARGE GREENHOUSE LOCATED ON A 34 ACRE TIDAL MARSH SITE

COLLECTIONS: MUSEUM COLLECTION OF LOCAL FISHES, MAINTAINS A REFERENCE LIBRARY

COOPERATIVE ARRANGEMENTS: WITHIN THE UNIVERSITY

OUTPUTS: OVER 15 RESEARCH PUBLICATIONS, CONSULTING

562
LEHIGH VALLEY CONSERVANCY, INC.
DR. KENNETH FRIEDMAN, DIRECTOR
LEHIGH VALLEY CONSERVANCY, INC.
1024 WEST BROAD STREET
BETHLEHEM, PA 18018
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-866-3118

N.C.E.S. CODES
3.020100
3.060000
4.030000
S.I.C. CODES
892
869
KEYWORDS
LAND USE PLANNING
LAND PRESERVATION
LAND STEWARDSHIP
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH LEHIGH COUNTY

OUTPUTS: N/A

563
LEHIGH VALLEY HOSPITAL CENTER
DR. ROBERT J. HARFORD, DIRECTOR
RESEARCH AND PUBLICATION SUPPORT SERVICE
P.O. BOX 689, 1200 SOUTH CEDAR BLVD.
ALLENTOWN, PA 18105
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-821-2638

N.C.E.S. CODES
18.104400
17.020000
17.030000
S.I.C. CODES
806
807
805
KEYWORDS
MEDICAL PUBLICATIONS
HEALTH SERVICES RESEARCH
CLINICAL OUTCOME INVESTIGATIONS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $175000.00

BUILDINGS: N/A

COLLECTIONS: HOSPITAL MEDICAL LIBRARY

COOPERATIVE ARRANGEMENTS: RESEARCH COLLABORATION WITH YALE MEDICAL SCHOOL, UNIVERSITY OF PENNSYLVANIA MEDICAL SCHOOL, JOHNS HOPKINS MEDICAL SCHOOL

OUTPUTS: N/A

564
LEMCO TOOL CORPORATION
GLENN G. MILLER, DIRECTOR
RESEARCH & DEVELOPMENT
RD 2, BOX 330A
COGAN STATION, PA 17728
LYCOMING COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-494-0620

N.C.E.S. CODES
10.019900
14.990000
S.I.C. CODES
342
353
369
KEYWORDS
TOOLS
AERIAL CONSTRUCTION
PERSONNEL
0 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

FACILITIES: LOAD TESTING FACILITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

565
LEMONT SCIENTIFIC, INC.
DR. JOSEPH LEBIEDZIK, DIRECTOR
IMAGE ANALYSIS GROUP
2011 PINE HALL DRIVE,
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-8403

N.C.E.S. CODES
  0
S.I.C. CODES
  381
  382
  383
KEYWORDS
  IMAGE ANALYZERS
  ANALYTICAL SOFTWARE
  COMPUTER AUTOMATED ANALYSIS
PERSONNEL
  5 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $250000.00

FACILITIES: SCANNING ELECTRON MICROSCOPE; ENERGY DISPERSIVE X-RAY SYSTEM; IMAGE ANALYZER FOR ELECTRON AND OPTICAL MICROSCOPY; COMPUTER AUTOMATED MATERIALS CHARACTERIZED USING ALL OF THE ABOVE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

566
LES PARFUMS DE DANA
BARBARA B. PODER, DIRECTOR
LES PARFUMS DE DANA
609 FIFTH AVENUE
NEW YORK, NY 10017
 COUNTY
 DEVELOPMENT REGION
PHONE: 212-751-3700

N.C.E.S. CODES
  40.050200
  40.050100
  40.050400
S.I.C. CODES
  284
KEYWORDS
  COSMETICS
  TOILETRIES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  2 SUPPORT STAFF

FACILITIES: STANDARD ANALYTICAL EQUIPMENT - IR, PH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

567
LESKO RESEARCH CORP.
GEORGE LESKO, DIRECTOR
LESKO RESEARCH CORP.
625 STANWIX STREET
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-566-1680

N.C.E.S. CODES
  9.060000
S.I.C. CODES
  483
KEYWORDS
  TYPE OF NEWS COVERAGE
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $25000.00

FACILITIES: VIDEOTAPING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

568
LINCOLN UNIVERSITY
DR. STANLEY S.H. TSAI, DIRECTOR
RESISTIVITY STUDIES OF THE VARIATION ON NEEL TEMPERATURE OF SEVERAL ANTIFERROMAGNETIC MANGANESE
DEPARTMENT OF PHYSICS
LINCOLN, PA 19352
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-932-8300

N.C.E.S. CODES
  40.080800
S.I.C. CODES
  99
KEYWORDS
  SOLID STATE PHYSICS
  ANTIFERROMAGNETIC
  MANGANESE ALLOYS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $42000.00
  SOURCES: NUCLEAR REGULATORY COMMISSION
PAST FUNDING
  AVERAGE AMOUNT = $50000.00
  SOURCES: NATIONAL SCIENCE FOUNDATION

FACILITIES: LIQUID GAS DEWAR SYSTEM WITH DIFUSSION PUMP

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

569
LORD CORPORATION - CHEMICAL PRODUCTS GROUP
DR. F.H. SEXSMITH, DIRECTOR
RESEARCH DIVISION
2000 WEST GRANDVIEW BOULEVARD
ERIE, PA 16514
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-868-3611

N.C.E.S. CODES
  40.050400
  40.059900
  40.050200
S.I.C. CODES
  282
  285
  289
KEYWORDS
  MATERIALS RESEARCH
  CHEMICAL SYNTHESIS
  ADHESIVES, COATINGS, AND FILMS
PERSONNEL
  9 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  9 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: ISS/SIMS, NMR, HPSEC, HPLC; APPLICATIONS AND TESTING EQUIPMENT FOR ADHESIVES, COATINGS, AND FILMS

BUILDINGS: ADMINISTRATIVE AND RESEARCH FACILITY BUILDING

COLLECTIONS: MAINTAINS A REFERENCE LIBRARY AND CURRENT PERIODICALS COLLECTION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

570
LUKENS STEEL DIVISION, LUKENS INC.
WILLIAM W. SCOTT, DIRECTOR
RESEARCH & DEVELOPMENT DIVISION
MODENA ROAD
COATESVILLE, PA 19320
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-383-2540

N.C.E.S. CODES
  14.200000
  40.070100
  40.050300
S.I.C. CODES
  331
KEYWORDS
  IMPROVED QUALITY
  IMPROVED PRODUCTION
  STEEL PLATE PRODUCTION
PERSONNEL
  20 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  13 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2500000.00

FACILITIES: SCANNING ELECTRON MICROSCOPE, METALLOGRAPHIC LABORATORY, X-RAY FLUORESCENCE SPECTROMETER, 150 MELTING FACILITY, HEAT-TREATING FURNACES

BUILDINGS: ONE BUILDING WITH HIGH BAY PROCESS LAB SERVICED BY A 3 TON PENDANT CRANE

COLLECTIONS: TECHNICAL LIBRARY WITHIN THE

RESEARCH CENTER

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

571
LUZERNE COUNTY COMMUNITY COLLEGE
DR. NANCY KOSTELEBA, DIRECTOR
CENTER FOR INSTRUCTIONAL DEVELOPMENT
PROSPECT STREET AND MIDDLE ROAD
NANTICOKE, PA 18634
LUZERNE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-735-4950

N.C.E.S. CODES
  10.010100
S.I.C. CODES
  941
KEYWORDS
  INSTRUCTIONAL PACKAGES
  COMPUTERIZED INSTRUCTION
PERSONNEL
  4 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $127700.00

FACILITIES: APPLE II COMPUTERS, INTERACTIVE VIDEO UNITS

BUILDINGS: N/A

COLLECTIONS: STAFF RESEARCH LIBRARY OF 400 VOLUMES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: CURRICULA AND PROGRAM ASSESSMENT AS IT RELATES TO IMPACT ON LEARNING; TRAINING OF STAFF TO APPROPRIATELY IMPLEMENT THE NEWLY DEVELOPED AND FIELD TESTED PROGRAMS AND MATERIALS

572
LYCOMING COLLEGE
DR. HOWARD C. BERTHOLD, DIRECTOR
BEHAVIORAL MANAGEMENT UNIT
DEPARTMENT OF PSYCHOLOGY
WILLIAMSPORT, PA 17701
LYCOMING COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-326-1951 EXT. 325

N.C.E.S. CODES
  42.090000
S.I.C. CODES
  944
  943
  941
KEYWORDS
  ORGANIZATIONAL BEHAVIOR MODIFICATION
  MANAGEMENT TRAINING
  INDUSTRIAL AND ORGANIZATIONAL RESEARCH
PERSONNEL
  1 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1200.00
  SOURCES: PENNSYLVANIA DEPARTMENT OF EDUCATION
PAST FUNDING
  AVERAGE AMOUNT = $1200.00
  SOURCES: PENNSYLVANIA DEPARTMENT OF EDUCATION

FACILITIES: INTERVIEW ROOMS, VIDEO TAPE, TRS-80 MODEL 3 MICROCOMPUTER, PDP 1170

BUILDINGS: LABORATORIES IN THE LYCOMING COLLEGE ACADEMIC CENTER

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH PAPERS

573
LYCOMING COLLEGE
DR. MEL ZIMMERMAN, DIRECTOR
ENVIRONMENTAL SCIENCE/FORESTRY UNIT
BIOLOGY DEPARTMENT
WILLIAMSPORT, PA 17701
LYCOMING COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-326-1951 EXT. 258

N.C.E.S. CODES
  3.060000
  3.050100
  26.060300
S.I.C. CODES
  97
  951
KEYWORDS
  HABITAT SURVEY
  FOOD ANALYSIS
  BLACK BEARS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  0 SUPPORT STAFF
PAST FUNDING
  AVERAGE AMOUNT = $500.00
  SOURCES: CURRICULUM ENRICHMENT FUNDS,

LYCOMING COLLEGE; WOMEN OF LYCOMING;
ENRICHMENT FUND

FACILITIES: SCIENCE LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: PENNSYLVANIA GAME COMMISSION

OUTPUTS: RESEARCH PAPERS

574
LYCOMING COLLEGE
DR. MORTON FINEMAN, DIRECTOR
STUDY OF METASTABLE MOLECULES FORMED BY ELECTRON BOMBARDMENT
DEPARTMENT OF PHYSICS
WILLIAMSPORT, PA 17701
LYCOMING COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-326-1951

N.C.E.S. CODES
  40.080100
  40.080200
S.I.C. CODES
  99
KEYWORDS
  ELECTRON BOMBARDMENT
  ATOM PHYSICS
  MOLECULAR PHYSICS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF

FACILITIES: VACUUM SYSTEM AND SUPPORTING INSTRUMENTS FOR ELECTRON IMPACT STUDIES

BUILDINGS: PHYSICS LABORATORY IN LYCOMING COLLEGE ACADEMIC CENTER

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH THE UNIVERSITY OF CALIFORNIA AT LAJOLLA AND AT SAN DIEGO

OUTPUTS: RESEARCH REPORTS

575
LYCOMING COLLEGE
DR. MEL ZIMMERMAN, DIRECTOR
WATER QUALITY UNIT
BIOLOGY DEPARTMENT
WILLIAMSPORT, PA 17701
LYCOMING COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-326-1951 EXT. 254

N.C.E.S. CODES
  3.010000
  26.060300
S.I.C. CODES
  951
  97
KEYWORDS
  WATER QUALITY
  MACROINVERTEBRATES
  BIOTIC INDEX
PERSONNEL
  2 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $200.00
  SOURCES: LOYALSOCK WATERSHED ASSOCIATION; PRIVATE BENEFACTORS
PAST FUNDING
  AVERAGE AMOUNT = $1400.00
  SOURCES: PROFESSIONAL DEVELOPMENT GRANT OF LYCOMING COLLEGE; WILLIAMSPORT WATER AUTHORITY

FACILITIES: SCIENCE LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WILLIAMSPORT WATER AUTHORITY, LOYALSOCK WATERSHED ASSOCIATION, LAMAR NATIONAL FISH HATCHERY

OUTPUTS: RESEARCH PAPERS

576
M.J. REIDER ASSOCIATES INC.
KARL L. STIMELING, DIRECTOR
M.J. REIDER ASSOCIATES INC.
107 ANGELICA STREET
READING, PA 19611
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-374-5129

N.C.E.S. CODES
  40.050200
  40.050300
  40.059900
S.I.C. CODES
  281
  286
  289
KEYWORDS
  CONSULTATION

PRODUCT DEVELOPMENT ASSISTANCE
INORGANIC AND ORGANIC CHEMISTRY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: COMPLETE LABORATORY WITH GC, IR, UV-VIS SPECTROMETRY, AA SPECTROMETRY, WET CHEMISTRY, MICROBIOLOGY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

577
M.R.H. CORPORATION - DESMON MILLS
M.W. SATINSKY, DIRECTOR
M.R.H. CORPORATION - DESMON MILLS
1655 MOUNT PLEASANT ROAD
VILLANOVA, PA 19088
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-525-2921

N.C.E.S. CODES
0
S.I.C. CODES
221
222
223
KEYWORDS
WOOL YARNS
KNITTING
WEAVING
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

FACILITIES: BLENDING, CARDING, SPINNING AND TWISTING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: BETWEEN CORPORATE DIVISIONS

OUTPUTS: N/A

578
MACK TRUCKS, INC.
FRANK J. PEKAR, DIRECTOR
PRODUCT DEVELOPMENT
2100 MACK BOULEVARD, P.O. BOX 1761
ALLENTOWN, PA 18105
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-439-3421

N.C.E.S. CODES
14.190000
S.I.C. CODES
351
371
KEYWORDS
HEAVY DUTY TRUCKS
DIESEL ENGINES
POWER TRAINS
PERSONNEL
50 RESEARCH PROFESSIONALS
50 SUPPORT PROFESSIONALS
185 TECHNICAL STAFF
15 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $13500000.00

FACILITIES: TEST TRACK, SOUND ROOM, 31 ENGINE DYNAMOMETERS, MISCELLANEOUS HYDRAULIC AND MECHANICAL TEST FIXTURES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

579
MAGEE-WOMENS HOSPITAL
MS. LESLIE WHITLINGER, DIRECTOR
COMMUNITY RESOURCES
DEPARTMENT OF COMMUNITY RESOURCES, FORBES &
HALKET
STREET
PITTSBURGH, PA 15213
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-647-4577

N.C.E.S. CODES
18.101300
18.101800
18.101900
S.I.C. CODES
99
KEYWORDS
MATERNAL - FETAL
REPRODUCTIVE GENETICS
NEONATOLOGY

PERSONNEL
24 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
14 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $521743.00

FACILITIES: ANIMAL QUARTERS; RESEARCH LABORATORIES

BUILDINGS: N/A

COLLECTIONS: MEDICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

580
MALLINCKRODT, INC., CALSICAT DIVISION
EUGENE F. SANDERS, DIRECTOR
TECHNICAL DEPARTMENT
1707 GASKELL AVE.
ERIE, PA 16503
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-455-0951

N.C.E.S. CODES
40.050100
40.990000
14.070000
S.I.C. CODES
281
286
207
KEYWORDS
CATALYSIS
CATALYSTS
SURFACE SCIENCE
PERSONNEL
12 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
24 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

FACILITIES: MICROREACTOR AND AUTOCLAVE TESTING

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

581
MALSBARY MFG. CO., SUBSIDIARY OF CARLISLE
CORP.
DANIEL W. LAPINS, DIRECTOR
PRODUCT DEVELOPMENT
P.O. BOX 546, RT. 119 NORTH
UNIONTOWN, PA 15401
FAYETTE COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-437-7576

N.C.E.S. CODES
14.190000
40.079900
S.I.C. CODES
355
352
KEYWORDS
INDUSTRIAL CLEANING MACHINES
HYDRAULIC MACHINES
STEAM MACHINES
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: TEST LAB; MODEL SHOP

BUILDINGS: N/A

COLLECTIONS: MAINTAINS COLLECTION OF TECHNICAL, REFERENCE, SPECIFICATIONS AND CODES, AND PATENT INFORMATION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

582
MANAGEMENT SERVICES AND DEV. LTD.
N/A, DIRECTOR
MANAGEMENT SERVICES AND DEV. LTD.
506 NORTH MAIN STREET
PUNXSUTAWNEY, PA 15767
JEFFERSON COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 814-938-5463

N.C.E.S. CODES
6.010000
S.I.C. CODES
739
KEYWORDS
MANAGEMENT CONSULTING
MANUFACTURING SYSTEMS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS

0 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: COMPUTER AND SUPPORTING PROCESSING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

583
MANSFIELD STATE COLLEGE
DR. RICHARD SODERBERG, DIRECTOR
FARM POND MANAGEMENT PROGRAM
GRANT SCIENCE CENTER
MANSFIELD, PA 16933
TIOGA COUNTY
NORTHERN TIER DEVELOPMENT REGION
PHONE: 717-662-4277

N.C.E.S. CODES
2.020700
3.990000
S.I.C. CODES
97
KEYWORDS
FISHERIES SCIENCE
RENEWABLE NATURAL RESOURCES
FARM PONDS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2320.00
SOURCES: PENNSYLVANIA FISH COMMISSION; MANSFIELD STATE COLLEGE; PRIVATE GIFTS
PAST FUNDING
AVERAGE AMOUNT = $1600.00
SOURCES: PENNSYLVANIA FISH COMMISSION AND OTHER SOURCES

FACILITIES: 50 BAGS SEINE; COMPLETE ELECTROFISHING GEAR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH PENNSYLVANIA FISH COMMISSION AND U.S. FISH AND WILDLIFE SERVICE

OUTPUTS: RESEARCH REPORTS AND TECHNICAL ARTICLES

584
MANSFIELD STATE COLLEGE
DR. RICHARD SODERBERG, DIRECTOR
HISTOPATHOLOGICAL EFFECTS OF INTENSIVE CULTURE CONDITIONS ON CATFISH AND TROUT
GRANT SCIENCE CENTER
MANSFIELD, PA 16933
TIOGA COUNTY
NORTHERN TIER DEVELOPMENT REGION
PHONE: 717-662-4277

N.C.E.S. CODES
1.030300
2.027000
S.I.C. CODES
99
KEYWORDS
AQUACULTURE
HISTOPATHOLOGY
TROUT AND CATFISH
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
PAST FUNDING
AVERAGE AMOUNT = $1200.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: U.S. FISH AND WILDLIFE SERVICE

OUTPUTS: RESEARCH REPORTS

585
MANSFIELD STATE COLLEGE
DR. RICHARD SODERBERG, DIRECTOR
INTENSIVE CULTURE OF TILAPIA
GRANT SCIENCE CENTER
MANSFIELD, PA 16933
TIOGA COUNTY
NORTHERN TIER DEVELOPMENT REGION
PHONE: 717-662-4277

N.C.E.S. CODES
1.030300
2.027000
S.I.C. CODES
99
KEYWORDS
TILAPIA
AQUACULTURE
CLOSED SYSTEMS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: FIVE COMPLETE CLOSED AQUACULTURE SYSTEMS FOR PRODUCTION, FISH HATCHING AND STOCK

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: U.S. FISH AND WILDLIFE SERVICE

OUTPUTS: N/A

586
MARGARET M. NOSSEK, MARKET RESEARCH SERVICES, INC.
MAGARET M. NOSSEK, DIRECTOR
MARGARET M. NOSSEK, MARKET RESEARCH SERVICES, INC.
7146 THOMAS BOULEVARD
PITTSBURGH, PA 15208
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-371-2721

N.C.E.S. CODES
6.140200
S.I.C. CODES
739
KEYWORDS
MARKET RESEARCH
SURVEYING
INTERVIEWING
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
6 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

587
MARKETING INVESTIGATIONS, INC./GUIDE-POST RESEARCH
E.A. STALCZYNSKI, DIRECTOR
MARKETING INVESTIGATIONS, INC./GUIDE-POST RESEARCH
P.O. BOX 343 (1106 OHIO RIVER BOULEVARD)
SEWICKLEY, PA 15143
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-741-2410

N.C.E.S. CODES
6.140100
6.140200
9.030000
S.I.C. CODES
739
KEYWORDS
TEST MARKETS
FEASIBILITY STUDIES
CONCEPT RESEARCH
PERSONNEL
6 RESEARCH PROFESSIONALS
12 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
150 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: FOCUS GROUP FACILITIES WITH ONE-WAY MIRROR; MALL INTERVIEWING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

588
MARQUETTE COPPERSMITHING CO., INC.
DR. CHESTER M. HELLER, DIRECTOR
APPLIED MECHANICS RESEARCH DEPARTMENT
P.O. BOX 4584
PHILADELPHIA, PA 19131-0184
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-877-9362

N.C.E.S. CODES
14.110000
14.190000
27.030000
S.I.C. CODES
35
493
496
KEYWORDS
POWER TRANSMISSION COUPLINGS
PIPE/POWER SWIVEL JOINTS
PRODUCT PIPE LOADING ARMS
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: BASIC RESEARCH AND PRODUCTION FACILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS AN ADEQUATE COLLECTION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

589
MARVIN E. KANZE INC.
MARVIN KANZE, DIRECTOR
MARVIN E. KANZE INC.
1395 LAWRENCE ROAD
HAVERTOWN, PA 19083
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-528-5777

N.C.E.S. CODES
  0
S.I.C. CODES
  99
KEYWORDS
  AIR CONDITIONING
  PEAK HOURS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

590
MATERIALS ENGINEERING AND TESTING COMPANY
DR. E.M. KROKOSKY, DIRECTOR
MATERIALS ENGINEERING AND TESTING COMPANY
5103 OLD WILLIAM PENN HIGHWAY
EXPORT, PA 15632
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-327-0707

N.C.E.S. CODES
  14.180000
  14.060000
  14.080000
S.I.C. CODES
  891
KEYWORDS
  FAILURE ANALYSIS
  MATERIALS DEVELOPMENT
PERSONNEL
  1 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $5000.00

FACILITIES: SCANNING ELECTRON MICROSCOPE, ENERGY DISPERSIVE X-RAY ANALYZER, X-RAY DIFFRACTOMETER, GAS CHROMATOGRAPH, INFRA-RED SPECTROPHOTOMETER, DIFFERENTIAL THERMAL ANALYZER

BUILDINGS: N/A

COLLECTIONS: MAINTAINS AN EXTENSIVE MATERIALS LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

591
MATESON CHEMICAL CORPORATION
JEAN MATESON, DIRECTOR
POLLUTION CONTROL T.F.
1025 EAST MONTGOMERY AVENUE
PHILADELPHIA, PA 19125
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-423-3200

N.C.E.S. CODES
  18.050000
  18.230000
  18.990000
S.I.C. CODES
  951
  899
  289
KEYWORDS
  AIR POLLUTION
  DETOXIFICATION
  DECONTAMINATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  8 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $55000.00

FACILITIES: CLEAN AIR TECHNOLOGY

BUILDINGS: N/A

COLLECTIONS: MATERIALS ON TOXICOLOGY, AIR POLLUTION, HAZARDOUS WASTES, SPILLS, DETOXIFICATION

COOPERATIVE ARRANGEMENTS: WITH RESEARCH CHEMISTS AND TOXIC TEXT LAW

OUTPUTS: N/A

592
MATHEMATICA POLICY RESEARCH, INC. (MPR)
CHARLES E. METCALF, DIRECTOR
MATHEMATICA POLICY RESEARCH, INC. (MPR)
P.O. BOX 2393
PRINCETON, NJ 08540
COUNTY
DEVELOPMENT REGION
PHONE: 609-799-2600

N.C.E.S. CODES
45.060100
6.140200
6.120000
S.I.C. CODES
739
KEYWORDS
RESEARCH STUDIES
SURVEYS
SOFTWARE APPLICATIONS
PERSONNEL
46 RESEARCH PROFESSIONALS
21 SUPPORT PROFESSIONALS
21 TECHNICAL STAFF
66 SUPPORT STAFF

FACILITIES: WORD PROCESSING FACILITIES THAT USE A SOPHISTICATED SHARED LOGIC NBI SYSTEM, WITH COMPLETE TEXT EDITING AND TELECOMMUNICATIONS CAPABILITIES, FULL SERVICE COMPUTER CENTER WITH HARDWARE AND SOFTWARE FACILITIES, A PERMANENT TELEPHONE INTERVIEWING FACILITY, INCLUDING COMPUTER ASSISTED TELEPHONE INTERVIEWING, FULL-SERVICE REPRODUCTION FACILITIES . TELECOPIER FOR SMALL DOCUMENT TRANSFER NEEDS, AND PROFESSIONAL BINDING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: A FULL-TIME LIBRARIAN MAINTAINS A LARGE LIBRARY WITH AN EXTENSIVE COLLECTION OF MATERIALS ON SOCIAL PROGRAMS AND RESEARCH TECHNIQUES, AND JOURNALS IN ECONOMICS, SOCIOLOGY, DEMOGRAPHY AND STATISTICS; ACCESS TO UNIVERSITY LIBRARIES IN THE PRINCETON AREA

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

593
MATHEWS INTERNATIONAL CORPORATION
VINCENT R. AMATANGELO, DIRECTOR
MATHEWS R&D
644 ALPHA DRIVE
PITTSBURGH, PA 15238
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-963-7447

N.C.E.S. CODES
14.190000
14.100000
40.080700
S.I.C. CODES
279
359
336
KEYWORDS
LASER MARKING
JET PRINTING
INK FORMULATION
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400000.00

FACILITIES: VULCANIZING, WEATEROMETER, TENSIL TESTER, ELECTONIC TEST EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

594
MATRIC LIMITED
LEE M. RICHEY, DIRECTOR
MATRIC LIMITED
R.D. 1, BOX 167A
FRANKLIN, PA 16323
VENANGO COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-432-3647

N.C.E.S. CODES
14.100000
14.090000
S.I.C. CODES
899
KEYWORDS
ELECTRONIC INDUSTRIAL CONTROLS
PERSONNEL
1 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $181000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

595
MCDANEL REFRACTORY CO.
R.K. FRANCIS, DIRECTOR
MCDANEL REFRACTORY CO.
BOX 560
BEAVER FALLS, PA 15010
BEAVER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-843-8300

N.C.E.S. CODES
  14.060000
S.I.C. CODES
  325
KEYWORDS
  MATERIALS
  DEVELOPMENT
PERSONNEL
  4 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

596
MCKELDIN ASSOCIATES
MS. JEANNE MATKOVICH, DIRECTOR
QUALITY CIRCLES
125 WILLOWBROOK LANE
WEST CHESTER, PA 19380
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-431-2730

N.C.E.S. CODES
  6.060000
  6.110000
  7.050000
S.I.C. CODES
  739
  73
KEYWORDS
  QUALITY CIRCLES
  EMPLOYEE ATTITUDE
  PRODUCTIVITY
PERSONNEL
  1 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $20000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A COLLECTION OF LITERATURE AND BOOKS FOR INFORMATION CONCERNING LABOR UNIONS, MANAGEMENT, AND ATTITUDE SURVEYS WITH NATIONAL AND CLIENT NORMS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

597
MEDCO, INC.
JOHN E. RUECKERT, DIRECTOR
DEVELOPMENT
1342 EAST LINCOLN HIGHWAY
LANGHORNE, PA 19047
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-757-3565

N.C.E.S. CODES
  14.170000
  6.040400
  6.139900
S.I.C. CODES
  806
  805
  809
KEYWORDS
  PRODUCTIVITY SYSTEMS
  COST CONTAINMENT
  SYSTEMS IMPROVEMENT
PERSONNEL
  0 RESEARCH PROFESSIONALS
  15 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $25000.00

BUILDINGS: N/A

COLLECTIONS: HAS STANDARD DATA BANKS OF HOSPITAL LABOR TIMES; MANY IN-DEPTH STUDY REPORTS AND RESULTS; NATIONAL PRODUCTIVITY AND COST MANAGEMENT SYSTEM STANDARDS, PROCEDURES, COMPARATIVE DATA

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

598
MEDIA MANAGEMENT SERVICES, INC.
EDWARD J. MEELL, DIRECTOR
MEDIA MANAGEMENT SERVICES, INC.

10 NORTH MAIN STREET SUITE 301
YARDLEY, PA 19067
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-493-1211

N.C.E.S. CODES
6.140000
8.990000
10.010100
S.I.C. CODES
489
272
274
KEYWORDS
PUBLISHING
REPORTS
STUDIES
PERSONNEL
2 RESEARCH PROFESSIONALS
7 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: PERIODICALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

599
MEDIAMERICA CORPORATION
ERNEST TANNEN, DIRECTOR
THE PENNSYLVANIA POLL
712 SOUTH DARIEN STREET
PHILADELPHIA, PA 19147
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-928-0928

N.C.E.S. CODES
9.050000
9.060000
9.030000
S.I.C. CODES
483
489
KEYWORDS
LISTENER POLL
RADIO POLL
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

600
MEDICAL COLLEGE OF PENNSYLVANIA
DR. EVA RAY, DIRECTOR
DEPARTMENT FOR PROGRAMS FOR WOMEN
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6484

N.C.E.S. CODES
18.109900
S.I.C. CODES
99
KEYWORDS
WOMEN
CAREER
WORKSHOP
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

601
MEDICAL COLLEGE OF PENNSYLVANIA
DR. TIMOTHY CUNNINGHAM, DIRECTOR
DEPARTMENT OF ANATOMY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4615

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
NEURONS
SURVIVAL OF NEURONS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS

1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

602
MEDICAL COLLEGE OF PENNSYLVANIA
DR. JANET SMITH, DIRECTOR
DEPARTMENT OF ANATOMY
3300 HENRY AVENUE
PHILADELPHIA, PA 9129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4629

N.C.E.S. CODES
18.020100
S.I.C. CODES
99
KEYWORDS
CMV
HYBRID CELLS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

603
MEDICAL COLLEGE OF PENNSYLVANIA
DR. HAZEL MURPHY, DIRECTOR
DEPARTMENT OF ANATOMY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4617

N.C.E.S. CODES
18.020100
S.I.C. CODES
99
KEYWORDS
VISUAL SYSTEM
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

604
MEDICAL COLLEGE OF PENNSYLVANIA
DR. ROBERT KENSLER, DIRECTOR
DEPARTMENT OF ANATOMY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4620

N.C.E.S. CODES
18.020100
S.I.C. CODES
99
KEYWORDS
STRIATED MUSCLE
MUSCLE
MUSCLE FILAMENTS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

605
MEDICAL COLLEGE OF PENNSYLVANIA
DR. MICHAEL GOLDBERGER, DIRECTOR
DEPARTMENT OF ANATOMY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4611

N.C.E.S. CODES
18.020100

S.I.C. CODES
99
KEYWORDS
AXONAL SPROUTING
FUNCTIONAL RECOVERY
CNS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

606
MEDICAL COLLEGE OF PENNSYLVANIA
DR. ARNOLD SMOLEN, DIRECTOR
DEPARTMENT OF ANATOMY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4606

N.C.E.S. CODES
18.020100
S.I.C. CODES
99
KEYWORDS
SYNAPTIC PLASTICITY
SYMPATHETIC
NERVOUS SYSTEM
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

607
MEDICAL COLLEGE OF PENNSYLVANIA
DR. LEONARD ROSS, DIRECTOR
DEPARTMENT OF ANATOMY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4600

N.C.E.S. CODES
18.020100
S.I.C. CODES
99
KEYWORDS
NEUROBIOLOGY
REGENERATION
DEVELOPMENT
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

608
MEDICAL COLLEGE OF PENNSYLVANIA
DR. MARION MURRAY, DIRECTOR
DEPARTMENT OF ANATOMY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4613

N.C.E.S. CODES
18.010200
S.I.C. CODES
99
KEYWORDS
REGENERATION
REGENERATION OF AXONS
AXONS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

609
MEDICAL COLLEGE OF PENNSYLVANIA
DR. JAY MANDELKORN, DIRECTOR
DEPARTMENT OF CARDIOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6990

N.C.E.S. CODES
18.109900
S.I.C. CODES
99
KEYWORDS
STREPTOKINASE
ANGINA
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

610
MEDICAL COLLEGE OF PENNSYLVANIA
DR. JUDITH MAUSNER, DIRECTOR
DEPARTMENT OF COMMUNITY AND PREVENTATIVE MEDICINE
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6540

N.C.E.S. CODES
18.102200
S.I.C. CODES
99
KEYWORDS
BLOOD PRESSURE
CHILDREN
TOXIC MOTHERS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
4 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

611
MEDICAL COLLEGE OF PENNSYLVANIA
DR. REBECCA ANWAR, DIRECTOR
DEPARTMENT OF EMERGENCY MEDICINE
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6547

N.C.E.S. CODES
18.100600
S.I.C. CODES
99
KEYWORDS
EMERGENCY MEDICINE
HUMAN QUALITIES
MEDICINE
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ANNUAL PROGRESS REPORT SUBMITTED TO FUNDING AGENCY

612
MEDICAL COLLEGE OF PENNSYLVANIA
DR. MARK SCHIMELMAN, DIRECTOR
DEPARTMENT OF EMERGENCY MEDICINE
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6545

N.C.E.S. CODES
18.100600
S.I.C. CODES
99
KEYWORDS
EMERGENCY
EMERGENCY SYSTEMS
EMERGENCY PATIENTS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

613
MEDICAL COLLEGE OF PENNSYLVANIA
DR. DONALD KAYE, DIRECTOR
DEPARTMENT OF MEDICINE
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6950

N.C.E.S. CODES
18.100800
S.I.C. CODES
99
KEYWORDS
URINARY TRACT INFECTIONS
GERIACTRIC POPULATION
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

614
MEDICAL COLLEGE OF PENNSYLVANIA
DR. PETER KOWEY, DIRECTOR
DEPARTMENT OF MEDICINE
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6990

N.C.E.S. CODES
18.100100
S.I.C. CODES
99
KEYWORDS
RVR SIGNIFICANCE
CORONARY DISEASE
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

615
MEDICAL COLLEGE OF PENNSYLVANIA
DR. WALTER RUBIN, DIRECTOR
DEPARTMENT OF MEDICINE
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6954

N.C.E.S. CODES
18.100100
S.I.C. CODES
99
KEYWORDS
METABOLISM
ENDOCRINE
MAST CELLS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

616
MEDICAL COLLEGE OF PENNSYLVANIA
DR. TOBY R. ENGEL, DIRECTOR
DEPARTMENT OF MEDICINE
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6950

N.C.E.S. CODES
18.100100
S.I.C. CODES
99
KEYWORDS
VENTRICULOTOMY

PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

617
MEDICAL COLLEGE OF PENNSYLVANIA
DR. CLIFTON OGBURN, DIRECTOR
DEPARTMENT OF MICROBIOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7063

N.C.E.S. CODES
  18.020300
S.I.C. CODES
  99
KEYWORDS
  INTERFERON
  MOLECULAR SPECIES
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

618
MEDICAL COLLEGE OF PENNSYLVANIA
DR. DONNA MURASKO, DIRECTOR
DEPARTMENT OF MICROBIOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7068

N.C.E.S. CODES
  18.020300
S.I.C. CODES
  99
KEYWORDS
  INTERFERON
  MONOCLONAL ANTIBODIES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

619
MEDICAL COLLEGE OF PENNSYLVANIA
DR. ALAN TESSLER, DIRECTOR
DEPARTMENT OF NEUROLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7095

N.C.E.S. CODES
  18.102400
S.I.C. CODES
  99
KEYWORDS
  AXONAL
  SPINAL CORD
  SPROUTING
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

620
MEDICAL COLLEGE OF PENNSYLVANIA
DR. ROSALIE A. BURNS, DIRECTOR
DEPARTMENT OF NEUROLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7095

N.C.E.S. CODES
18.102400
S.I.C. CODES
99
KEYWORDS
PLATELET DEAGGREGATOR
TRANSIENT CEREBRAL ISCHEMIC ATTACKS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

621
MEDICAL COLLEGE OF PENNSYLVANIA
DR. JOSEPH LEIGHTON, DIRECTOR
DEPARTMENT OF PATHOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7083

N.C.E.S. CODES
18.020400
S.I.C. CODES
99
KEYWORDS
HISTOPHYSIOLOGIC CULTURE
SURGICAL PATHOLOGY
CANCER RESEARCH
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

622
MEDICAL COLLEGE OF PENNSYLVANIA
DR. JOSEPH LEIGHTON, DIRECTOR
DEPARTMENT OF PATHOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7083

N.C.E.S. CODES
18.020400
S.I.C. CODES
99
KEYWORDS
DETECTING CHEMICALS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

623
MEDICAL COLLEGE OF PENNSYLVANIA
DR. MURIEL KOWLESSAR, DIRECTOR
DEPARTMENT OF PEDIATRICS
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6688

N.C.E.S. CODES
18.101900
S.I.C. CODES
99
KEYWORDS
CHIDREN
PEDIATRIC GROUP SERVICES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

624
MEDICAL COLLEGE OF PENNSYLVANIA
DR. BENJAMIN WEISS, DIRECTOR
DEPARTMENT OF PHARMACOLOGY

220

3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7170

N.C.E.S. CODES
26.070500
S.I.C. CODES
99
KEYWORDS
PSYCHOTROPIC
DRUGS
NUCLEOTIDES
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

625
MEDICAL COLLEGE OF PENNSYLVANIA
DR. GERALD KELLIHER, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7174

N.C.E.S. CODES
18.140000
S.I.C. CODES
99
KEYWORDS
SYMPATHETIC
PROSTAGLANDIN
ISCHEMIA
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

626
MEDICAL COLLEGE OF PENNSYLVANIA
DR. CLAIRE LATHERS, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7170

N.C.E.S. CODES
26.070500
S.I.C. CODES
99
KEYWORDS
ARRHYTHMIA
SUDDEN DEATH
PSYCHOTROPIC AGENTS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

627
MEDICAL COLLEGE OF PENNSYLVANIA
DR. PAULA GOLDBERG, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7170

N.C.E.S. CODES
18.140000
S.I.C. CODES
99
KEYWORDS
CARDIAC FUNCTION
ADRENERGIC CONTROL
INNERVATION CATECHOLAMINES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

628
MEDICAL COLLEGE OF PENNSYLVANIA
DR. PAULA GOLDBERG, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7170

N.C.E.S. CODES
  18.140000
S.I.C. CODES
  99
KEYWORDS
  THYROID HORMONES
  BETA RECEPTORS
  ELECTRO-PHYSIOLOGIC PROPERTIES
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

629
MEDICAL COLLEGE OF PENNSYLVANIA
DR. BENJAMIN WEISS, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7170

N.C.E.S. CODES
  26.070500
S.I.C. CODES
  99
KEYWORDS
  BRAIN AMINERGIC
  RECEPTORS
  AGING
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

630
MEDICAL COLLEGE OF PENNSYLVANIA
DR. CLAIRE LATHERS, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7170

N.C.E.S. CODES
  26.070500
S.I.C. CODES
  99
KEYWORDS
  SYMPATHOMIMETIC DRUGS
  BLOOD PRESSURE
  HEART RATE
PERSONNEL
  2 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

631
MEDICAL COLLEGE OF PENNSYLVANIA
DR. CLAIRE LATHERS, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7170

N.C.E.S. CODES
  26.070500
S.I.C. CODES
  99
KEYWORDS
  ADRENERGIC NERVE TERMINAL
  DIGITALIS ARRHYTHMIA
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS

3 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

632
MEDICAL COLLEGE OF PENNSYLVANIA
DR. JAY ROBERTS, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7175

N.C.E.S. CODES
26.070500
S.I.C. CODES
99
KEYWORDS
PHARMACOLOGY
AGING
CARDIAC
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

633
MEDICAL COLLEGE OF PENNSYLVANIA
DR. CLAIRE LATHERS, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7170

N.C.E.S. CODES
26.070500
S.I.C. CODES
99
KEYWORDS
HEART ATTACK
BETA BLOCKERS
AUTONOMIC NERVOUS SYSTEM
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

634
MEDICAL COLLEGE OF PENNSYLVANIA
DR. WILLIAM WEISS, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7170

N.C.E.S. CODES
26.070500
S.I.C. CODES
99
KEYWORDS
INTERACTION
NEUROPEPTIDES
CALMODULIN
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

635
MEDICAL COLLEGE OF PENNSYLVANIA
DR. CHARLES PUGLIA, DIRECTOR
DEPARTMENT OF PHARMACOLOGY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7115

N.C.E.S. CODES
26.070500
S.I.C. CODES
99
KEYWORDS
HYPEROXIA
ANTIOXIDANTS
OXYGEN TOXICITY
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

636
MEDICAL COLLEGE OF PENNSYLVANIA
DR. ALTA ROSS, DIRECTOR
DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7052

N.C.E.S. CODES
18.020500
18.020200
S.I.C. CODES
99
KEYWORDS
MAMARY GLAND
LIVER
ESTERIFICATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

637
MEDICAL COLLEGE OF PENNSYLVANIA
DR. JAMES GLICK, DIRECTOR
DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7056

N.C.E.S. CODES
18.020200
S.I.C. CODES
99
KEYWORDS
LIPOPROTEIN LIPASE
CULTURED ADIPOSE
CELLS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

638
MEDICAL COLLEGE OF PENNSYLVANIA
DR. GEORGE ROTHBLAT, DIRECTOR
DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7058

N.C.E.S. CODES
19.020500
18.020200
S.I.C. CODES
99
KEYWORDS
PHYSIOLOGY
BIOCHEMISTRY
ARTERIOSCLEROSIS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

639
MEDICAL COLLEGE OF PENNSYLVANIA
DR. THOMAS TULENKO, DIRECTOR
DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6944

N.C.E.S. CODES
  18.020500
  18.020200
S.I.C. CODES
  99
KEYWORDS
  PLACENTALL VASCULATURE
  DRUG SENSITIVITY
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

640
MEDICAL COLLEGE OF PENNSYLVANIA
DR. SISSEL LUND-KATZ, DIRECTOR
DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7054

N.C.E.S. CODES
  18.020500
  18.020200
S.I.C. CODES
  9
KEYWORDS
  LIPOPROTEIN CHOLESTEROL
  CELL MEMBRANES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

641
MEDICAL COLLEGE OF PENNSYLVANIA
DR. JULIAN MARSH, DIRECTOR
DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7048

N.C.E.S. CODES
  18.020500
  18.020200
S.I.C. CODES
  99
KEYWORDS
  CELLULAR
  MOLECULAR
  LIPOPROTEIN METABOLISM
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

642
MEDICAL COLLEGE OF PENNSYLVANIA
DR. ALTA ROSS, DIRECTOR
DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7052

N.C.E.S. CODES
  18.020500
  18.020200
S.I.C. CODES
  99
KEYWORDS
  VITAMIN A
  LACTATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

643
MEDICAL COLLEGE OF PENNSYLVANIA
DR. MARIE DIBERARDINO, DIRECTOR
DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-7039

N.C.E.S. CODES
  18.020100
S.I.C. CODES
  99
KEYWORDS
  DEVELOPMENTAL GENETICS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

644
MEDICAL COLLEGE OF PENNSYLVANIA
DR. CHARLES SHAGASS, DIRECTOR
DEPARTMENT OF PSYCHIATRY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4168

N.C.E.S. CODES
  18.102300
S.I.C. CODES
  99
KEYWORDS
  ELECTROPHYSIOLOGICAL
  PSYCHIATRIC DISORDER
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  8 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

645
MEDICAL COLLEGE OF PENNSYLVANIA
DR. LEE GREENSPON, DIRECTOR
DEPARTMENT OF PULMONARY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6974

N.C.E.S. CODES
  18.109900
S.I.C. CODES
  99
KEYWORDS
  VIRAL INFECTION
  ASTHMA
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

646
MEDICAL COLLEGE OF PENNSYLVANIA
DR. JAMES BASSETT, DIRECTOR
DEPARTMENT OF SURGERY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6659

N.C.E.S. CODES
  18.102600
S.I.C. CODES
  99
KEYWORDS
  EXTRACORPORIAL IMMUNOABSORPTION

PLASMA IMMUNOGLOBULIN
CANCER TREATMENT
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

647
MEDICAL COLLEGE OF PENNSYLVANIA
DR. PRASANTA RAY, DIRECTOR
DEPARTMENT OF SURGERY
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-6568

N.C.E.S. CODES
18.102600
S.I.C. CODES
99
KEYWORDS
CANCER
IMMUNOLOGICAL
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

648
MEDICAL COLLEGE OF PENNSYLVANIA
DR. FREDERICK NEWMAN, DIRECTOR
DEPARTMENT OF SYTEMS RESEARCH UNIT
3300 HENRY AVENUE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4050

N.C.E.S. CODES
18.102300
S.I.C. CODES
99
KEYWORDS
MENTAL HEALTH SYSTEMS
MENTAL HEALTH
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

649
MEDICOM, INC.
A. M. PETERSON, DIRECTOR
MEDICOM, INC.
222 LANCASTER AVENUE
DEVON, PA 19333
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-687-8900

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
HEALTH CARE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

650
MEDIUM COMPANY, INC.
THOMAS O. MCNEIL, DIRECTOR
MEDIUM COMPANY, INC.
12 JAMES THOMAS ROAD
MALVERN, PA 19355
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-647-9680

N.C.E.S. CODES
8.020000
8.990000
S.I.C. CODES
899

KEYWORDS
  MARKETING PLANS
  MANAGEMENT SERVICES
  MARKET STUDIES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $12500.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: COOPERATIVE ARRANGEMENTS WITH ETMS TRANSPORTATION GROUP

OUTPUTS: N/A

651
MELLON BANK, N.A.
WILLIAM G. ANDERSON, DIRECTOR
INFORMATION SYSTEMS & RESEARCH
MELLON BANK, MELLON SQUARE
PITTSBURGH, PA 15230
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-234-5925

N.C.E.S. CODES
  11.000000
S.I.C. CODES
  602
KEYWORDS
  BANKING
  COMPUTER SYSTEMS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

652
MERCHANTS NATIONAL BANK OF ALLENTOWN
JOHN GRENCER, DIRECTOR
RESEARCH AND PRODUCT DEVELOPMENT
702 HAMILTON MALL
ALLENTOWN, PA 18101
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-821-7278

N.C.E.S. CODES
  0
S.I.C. CODES
  602
KEYWORDS
  SITE SELECTION
  PERFORMANCE EVALUATION
  NEW FINANCIAL SERVICE DEVELOPMENT
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

653
MERCYHURST COLLEGE
SISTER M. EYMARD POYDOCK, DIRECTOR
MERCYHURST CANCER RESEARCH UNIT
GLENWOOD HILLS
ERIE, PA 16546
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-825-0375

N.C.E.S. CODES
  18.100000
  18.100900
S.I.C. CODES
  99
KEYWORDS
  VITAMIN C
  HYDROXO COBALAMIN
  SELENIUM
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $5636.00
  SOURCES: MEMORIALS AND GIFTS
PAST FUNDING
  AVERAGE AMOUNT = $13300.00
  SOURCES: AMERICAN CANCER SOCIETY, MEMORIALS AND GIFTS

FACILITIES: TWO MICE BREEDING COLONIES, ONE BDF AND ONE HA/1CR SWISS; A RESEARCH LAB EQUIPPED WITH RESEARCH MICROSCOPES, A PHASE CONTRAST MICROSCOPE, A NIKON INVERTED SCOPE, AUTOCLAVE, STERILIZER, BALANCES, REFRIGERATOR, INCUBATOR, CENTRIFUGES, PHOTOMICROGRAPHIC EQUIPMENT, AND OTHER NECESSARY RESEARCH EQUIPMENT

BUILDINGS: N/A

654
MET ELECTRICAL TESTING COMPANY, INC.
EDWARD H. CROOK, DIRECTOR
MET ELECTRICAL TESTING COMPANY, INC.
105 PINE STREET
IMPERIAL, PA 15126
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-695-3451

N.C.E.S. CODES
  14.100000
  14.140000
S.I.C. CODES
  99
KEYWORDS
  ELECTRICAL TESTING
  HAZARDOUS WASTE CONTROL
PERSONNEL
  5 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  40 TECHNICAL STAFF
  10 SUPPORT STAFF

FACILITIES: ELECTRICAL, ELECTRONIC AND ENVIRONMENTAL TESTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: COMPLETE TECHNICAL RESEARCH LIBRARY OF 15000 VOLUMES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

655
MICHAEL CABOT ASSOC., INC.
N/A, DIRECTOR
MICHAEL CABOT ASSOC., INC.
800 MAIN STREET
STROUDSBURG, PA 18360
MONROE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-421-7930

N.C.E.S. CODES
  45.120100
S.I.C. CODES
  899
  891
  953
KEYWORDS
  COMMUNITY PLANNING
  PLANNING
  CORRELATION
PERSONNEL
  4 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $120000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH THE PLANNING ADVISORY SERVICE, URBAN LAND INSTITUTE AND OTHER ORGANIZATIONS

OUTPUTS: N/A

656
MICROMEDIC SYSTEMS, INC.
C. BRADLEY HAGER, DIRECTOR
DEPARTMENT OF R&D
102 WITMER ROAD
HORSHAM, PA 19044
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-443-3017

N.C.E.S. CODES
  18.100900
  18.101800
S.I.C. CODES
  80
  809
KEYWORDS
  DIAGNOSTICS
  RADIOIMMUNASSAYS
  CLINICAL INSTRUMENTATION
PERSONNEL
  3 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  12 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1500000.00

FACILITIES: TWO FULLY EQUIPPED LABS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: UNIVERSITY OF WISCONSIN

OUTPUTS: N/A

657
MID-ATLANTIC ARCHAEOLOGICAL RESEARCH, INC.
RONALD A. THOMAS, DIRECTOR
MID-ATLANTIC ARCHAEOLOGICAL RESEARCH, INC.
P.O. BOX 676
NEWARK, DE 19711
COUNTY
DEVELOPMENT REGION

PHONE: 302-368-5777

N.C.E.S. CODES
45.070100
S.I.C. CODES
99
KEYWORDS
CULTURAL RESOURCE
ARCHAEOLOGY
PERSONNEL
4 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $120000.00

FACILITIES: LABORATORY

BUILDINGS: N/A

COLLECTIONS: A LIBRARY WITH EMPHASIS ON HISTORY, PREHISTORY, AND GEOLOGY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

658
MIDLAND-ROSS CORPORATION
D.R. DEMING, DIRECTOR
ELECTRICAL PRODUCTS DIVISION
P.O. BOX 1548
PITTSBURGH, PA 15230
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-323-5400

N.C.E.S. CODES
14.100000
14.180000
14.190000
S.I.C. CODES
349
364
KEYWORDS
DESIGN
MANUFACTURE
MARKET RESEARCH
PERSONNEL
3 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

FACILITIES: TESTING LABORATORY APPROVED AND AUTHORIZED BY UNDERWRITERS LABORATORIES INC. TO CONDUCT TESTS ON ELECTRICAL PRODUCTS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: TWO MEMBERS OF ENGINEERING GROUP SERVE ON NATIONAL ELECTRICAL CODE COMMITTEES, UNDERWRITERS LABORATORIES INC., INDUSTRIAL ADVISORY COMMITTES, TECHNICAL COMMITTEES OF THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION AND VARIOUS FEDERAL AND LOCAL AGENCIES

OUTPUTS: N/A

659
MILLER CHEMICAL & FERTILIZER CORPORATION
RICHARD G. KNOERLEIN, DIRECTOR
PRODUCT DEVELOPMENT
P.O. BOX 333
HANOVER, PA 17331
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-632-8921

N.C.E.S. CODES
0
S.I.C. CODES
282
KEYWORDS
PESTICIDES
RESIDUE CONTROL
SOLUBLE FERTILIZER
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000000.00

FACILITIES: GENERAL LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

660
MILLERSVILLE STATE COLLEGE
DR. ROBERT J. LABRIOLA, DIRECTOR
STAYER RESEARCH AND LEARNING CENTER
SCHOOL OF EDUCATION
MILLERSVILLE, PA 17551
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-872-3453

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
CURRICULUM
CURRICULUM IMPROVEMENT
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $14000.00
SOURCES: COOPERATIVE CURRICULUM IMPROVEMENT PROJECT OF THE PENNSYLVANIA DEPARTMENT OF EDUCATION, SCHOOL IMPROVEMENT PROJECT OF THE PENNSYLVANIA DEPARTMENT OF EDUCATION
PAST FUNDING
AVERAGE AMOUNT = $17500.00
SOURCES: COOPERATIVE CURRICULUM IMPROVEMENT PROJECT OF THE PENNSYLVANIA DEPARTMENT OF EDUCATION, SCHOOL IMPROVEMENT PROJECT OF THE PENNSYLVANIA DEPARTMENT OF EDUCATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: MILLERSVILLE STATE COLLEGE AND THE DERRY TOWNSHIP SCHOOL DISTRICT

OUTPUTS: FINAL REPORT FOR COOPERATIVE CURRICULUM IMPROVEMENT PROJECT

661
MILTON ROY COMPANY (FLOW CONTROL DIVISION)
GEORGE GASKILL, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
201 IVYLAND ROAD
IVYLAND, PA 18974
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-441-0800

N.C.E.S. CODES
14.010000
14.190000
14.070000
S.I.C. CODES
355
382
KEYWORDS
FLUID CONTROLS
CHEMICAL PROCESSES
WATER TREATMENT
PERSONNEL
3 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

662
MINE SAFETY APPLIANCES CO.
J. W. MAUSTELLER, DIRECTOR
MSA RESEARCH CORP
RD 2
EVAN CITY, PA 16033
BUTLER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-538-3510

N.C.E.S. CODES
40.059900
40.990000
14.070000
S.I.C. CODES
289
892
381
KEYWORDS
RESPIRATORY SUPPORT
PERSONAL PROTECTIVE ITEMS
SPECIALTY HAZARD MATERIAL HANDLING EQUIPMENT
PERSONNEL
6 RESEARCH PROFESSIONALS
12 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00

FACILITIES: CLOSED ATMOSPHERIC TEST UNIT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

663
MINE SAFETY APPLIANCES COMPANY
DR. FRANK W. SMITH, DIRECTOR
CALLERY CHEMICAL COMPANY
201 NORTH BRADDOCK AVENUE
PITTSBURGH, PA 15208
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION

PHONE: 412-273-5510

N.C.E.S. CODES
  40.050300
  40.050400
S.I.C. CODES
  281
  286
KEYWORDS
  CHEMICALS
  BORON
  POTASSIUM
PERSONNEL
  9 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  10 TECHNICAL STAFF
  5 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

FACILITIES: EQUIPMENT FOR HANDLING AIR AND MOISTURE REACTIVE CHEMICALS

BUILDINGS: N/A

COLLECTIONS: A BRANCH LIBRARY IS MAINTAINED FOR CALLERY CHEMICAL; ADDITIONAL FACILITIES INCLUDE A CORPORATE LIBRARY AND ANOTHER BRANCH

COOPERATIVE ARRANGEMENTS: CONSULTING ARRANGEMENTS AND SPONSORED PROGRAMS ARE INTEGRATED WITH CALLERY ACTIVITIES

OUTPUTS: N/A

664
MINE SAFETY APPLIANCES COMPANY
DR. FRANK W. SMITH, DIRECTOR
RESEARCH AND ENGINEERING
201 NORTH BRADDOCK AVENUE
PITTSBURGH, PA 15208
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-273-5510

N.C.E.S. CODES
  14.190000
  14.100000
  14.070000
S.I.C. CODES
  384
  382
KEYWORDS
  PROTECTIVE EQUIPMENT
  DETECTION INSTRUMENTS
PERSONNEL
  84 RESEARCH PROFESSIONALS
  56 SUPPORT PROFESSIONALS
  70 TECHNICAL STAFF
  36 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $6000000.00

FACILITIES: COMPLETE FACILITIES FOR BASIC AND APPLIED RESEARCH, DEVELOPMENT AND APPLICATION IN THE AREAS OF DETECTING, MONITORING AND CONTROLLING TOXIC AND FLAMMABLE GASES, MISTS AND DUSTS

BUILDINGS: N/A

COLLECTIONS: ACCESS TO A CORPORATE AND TWO BRANCH LIBRARIES WITH SPECIALIZED JOURNALS AND TEXTS

COOPERATIVE ARRANGEMENTS: CONSULTING AGREEMENTS AND SPONSERED PROGRAMS IN INSTRUMENTS AND SAFETY EQUIPMENT

OUTPUTS: N/A

665
MITCHELL MARKETING INC.
WILLIAM F. MITCHELL, DIRECTOR
MITCHELL MARKETING, INC.
P.O. BOX 975
PAOLI, PA 19301
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-647-0703

N.C.E.S. CODES
  6.140200
  6.130100
  45.050100
S.I.C. CODES
  739
KEYWORDS
  FEASIBILITY STUDIES
  BUSINESS PLANNING
  SITE MARKET POTENTIAL
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $200000.00

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE BUSINESS AND DEMOGRAPHIC DATA LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

666
MITCHELL, LYNCH & BRAITHWAITE, INC.
DR. RUFUS SYLVESTER LYNCH, DIRECTOR
CENTER FOR STUDYING SOCIAL WELFARE AND COMMUNITY DEVELOPMENT
5234-36 CHESTNUT STREET
PHILADELPHIA, PA 19139
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-471-4338

N.C.E.S. CODES
  44.070100
  44.050000
  44.020000
S.I.C. CODES
  913
  912
  911
KEYWORDS
  PROGRAM MANAGEMENT AND DEVELOPMENT
  COMMUNITY
  NEIGHBORHOOD
PERSONNEL
  40 RESEARCH PROFESSIONALS
  40 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: MODERATE LIBRARY

COOPERATIVE ARRANGEMENTS: THE UNIVERSITY OF PITTSBURGH SCHOOL OF SOCIAL WORK

OUTPUTS: N/A

667
MOLYCORP, INC., DIVISION OF UNION OIL OF
CALIFORNIA
JAMES R. TERRILL, DIRECTOR
METALLURGICAL PROCESS DEVELOPMENT LABORATORIES
P.O. BOX 500
WASHINGTON, PA 15301
WASHINGTON COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-222-5605

N.C.E.S. CODES
  14.200000
S.I.C. CODES
  106
  333
KEYWORDS
  RARE-EARTH METALS
  RARE-EARTH ALLOYS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

FACILITIES: 40" AND 60" HIGH VACUUM INDUCTION MELTING FURNACES

BUILDINGS: TWO RESEARCH AND DEVELOPMENT BUILDINGS

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

668
MONELL CHEMICAL SENSES CENTER
MORLEY R. KARE, DIRECTOR
MONELL CHEMICAL SENSES CENTER
3500 MARKET STREET
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-6666

N.C.E.S. CODES
  26.069900
  19.050100
  17.020000
S.I.C. CODES
  99
KEYWORDS
  TASTE
  SMELL
  COMMON CHEMICAL SENSE
PERSONNEL
  35 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  40 TECHNICAL STAFF
  20 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $3000000.00

FACILITIES: PSYCHOPHYSICS, NUTRITION, PHYSICAL AND ORGANIC CHEMISTRY FACILITIES; STATE OF THE ART GC/MS

BUILDINGS: N/A

COLLECTIONS: UNIQUE COLLECTION RELATED TO TASTE AND SMELL

COOPERATIVE ARRANGEMENTS: UNIVERSITY OF PENNSYLVANIA, PENNSYLVANIA STATE UNIVERSITY, RUTGERS, DELAWARE, JEFFERSON

OUTPUTS: N/A

669
MORRIS KNOWLES INCORPORATED
MR. R. JAMES HAMMONTREE, DIRECTOR
HAMMONTREE & ASSOCIATES, LTD.
1323 PARK BUILDING
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-281-3882

N.C.E.S. CODES
0
S.I.C. CODES
891
KEYWORDS
CONSULTING ENGINEERING
STREAM WATER QUALITY
WASTEWATER TREATMENT
PERSONNEL
5 RESEARCH PROFESSIONALS
15 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

FACILITIES: TURNER FLUOROMETER, YSI DISSOLVED OXYGEN METER, CONTINUOUS DISSOLVED OXYGEN - TEMPERATURE METER, PYGMY CURRENT METER, ISCO AUTOMATIC SAMPLER, ORION PH METER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

670
MOSS REHABILITATION HOSPITAL
DR. WILLIAM FREEDMAN, DIRECTOR
REHABILITATION ENGINEERING CENTER
12TH AND TABOR ROAD
PHILADELPHIA, PA 19141
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-329-9580

N.C.E.S. CODES
14.050000
18.102000
17.080000
S.I.C. CODES
367
KEYWORDS
BIOFEEDBACK DEVICES
PERSONNEL
7 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $800000.00

FACILITIES: LOCOMOTION ANALYSIS LAB; POSTURE LAB; COMPUTER FACILITIES; MECHANICAL AND ELECTRONIC FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: DREXEL UNIVERSITY AND TEMPLE UNIVERSITY

OUTPUTS: N/A

671
MULLIN & LONERGAN ASSOCIATES, INC.
JOSEPH HOGAN, DIRECTOR
COMMUNITY DEVELOPMENT DEPARTMENT
4624 LONGSHORE AVENUE
PHILADELPHIA, PA 19135
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-333-1717

N.C.E.S. CODES
89.899900
S.I.C. CODES
99
KEYWORDS
ECONOMIC DEVELOPMENT PLANNING
ECONOMIC RESEARCH
REAL ESTATE DEVELOPMENT
PERSONNEL
6 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $800000.00

FACILITIES: TEXAS INSTRUMENT COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

672
MUNICIPAL ENVIRONMENT ASSOCIATES, INC.
MILES B. POTTER, DIRECTOR
MUNICIPAL ENVIRONMENT ASSOCIATES, INC.
BOX 627
SPRING HOUSE, PA 19477

MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-628-2973

N.C.E.S. CODES
4.040000
30.030000
3.020300
S.I.C. CODES
349
891
951
KEYWORDS
CONCEPTUAL PROBLEMS
SOLUTION DEVELOPMENT
PERSONNEL
6 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

FACILITIES: NORMAL PROFESSIONAL OFFICE SPACE

BUILDINGS: N/A

COLLECTIONS: NORMAL TECHNICAL AND SCIENTIFIC VOLUMES

COOPERATIVE ARRANGEMENTS: NUMEROUS LABORATORIES AND TECHNICAL CONSULTANTS, INCLUDING TOOL AND DIE FOR PROTOTYPE

OUTPUTS: N/A

673
MURATA ERIE NORTH AMERICA, INC., CARLISLE
OPERATIONS
R.D. PETERS, DIRECTOR
ENGINEERING
P.O. BOX B
CARLISLE, PA 17013
CUMBERLAND COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-249-2232

N.C.E.S. CODES
14.100000
S.I.C. CODES
367
KEYWORDS
OSCILLATORS
FILTERS
QUARTZ
PERSONNEL
5 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

FACILITIES: LARGE CLEANROOM

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

674
MUSSELMAN'S, MFP ENTERPRISES, INC.
GEORGE KANUCH, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
P.O. BOX K
BIGLERVILLE, PA 17307
ADAMS COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-677-7111

N.C.E.S. CODES
1.040200
S.I.C. CODES
99
KEYWORDS
NEW PRODUCT
NEW FOOD ITEM
PERSONNEL
2 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: TEST KITCHEN; TEST PRODUCTION FACILITIES; PILOT PLANT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH VARIOUS UNIVERSITIES

OUTPUTS: N/A

675
N.J. DAMASKOS, INC.
N.J. DAMASKOS, DIRECTOR
N.J. DAMASKOS, INC
P.O. BOX 469
CONCORDVILLE, PA 19331
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-358-0200

N.C.E.S. CODES
  14.100000
  14.180000
S.I.C. CODES
  369
  366
  349
KEYWORDS
  ELECTROMAGNETIC SCATTERING
  PROPAGATION, RADIATION AND MATERIALS
  MICROWAVE THEORY
PERSONNEL
  9 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1600000.00

FACILITIES: MICROWAVE MEASUREMENT AND MATERIALS DEVELOPMENT LABORATORIES, MACHINE SHOP

BUILDINGS: N/A

COLLECTIONS: 2500 VOLUME LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

676
NATIONAL CENTER FOR JUVENILE JUSTICE
HUNTER HURST, DIRECTOR
NATIONAL CENTER FOR JUVENILE JUSTICE
701 FORBES AVENUE
PITTSBURGH, PA 15219
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-227-6950

N.C.E.S. CODES
  11.040000
  42.160000
  22.010000
S.I.C. CODES
  921
KEYWORDS
  STATISTICS
  STATUTES ANALYSIS
  EVALUATION REPORTS
PERSONNEL
  8 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $600000.00

BUILDINGS: N/A

COLLECTIONS: NATIONAL JUVENILE JUSTICE ARCHIVES

COOPERATIVE ARRANGEMENTS: CARNEGIE-MELLON UNIVERSITY COMPUTER TIE-IN

OUTPUTS: N/A

677
NATIONAL FORGE COMPANY
ANDRE LAPORTE, DIRECTOR
TECHNICAL CENTER
N/A
IRVINE, PA 16329
WARREN COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-563-7522

N.C.E.S. CODES
  14.180000
  14.200000
S.I.C. CODES
  346
  348
KEYWORDS
  METALLURGICAL SERVICES
  MATERIAL DEVELOPMENT
  NEW PRODUCTS
PERSONNEL
  6 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1500000.00

FACILITIES: METALLOGRAPHIC CAPABILITIES INCLUDING OPTICAL RESEARCH METALLOGRAPHS AND ELECTRON MICROPROBE (EDS & WDS); MACHINING FOR SAMPLE PREPARATION; CORROSION TESTING; LABORATORY HEAT TREATMENT FURNACES; MECHANICAL TESTING (ROOM TEMPERATURE, ELEVATED TEMPERATURE), IMPACT TESTING, DROP WEIGHT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A COLLECTION OF TECHNICAL DATA, MAGAZINES, BOOKS AND INTERNAL TECHNICAL DOCUMENTS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

678
NATIONAL HYDRON INCORPORATED
S.R. HARMON, DIRECTOR
MANUFACTURING SERVICES
1764 ROHRERSTOWN ROAD
LANCASTER, PA 17601
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION

PHONE: 717-569-8711

N.C.E.S. CODES
  14.000000
  40.059900
S.I.C. CODES
  282
  285
KEYWORDS
  PRODUCT DEVELOPMENT
  PROCESS DEVELOPMENT
  MANUFACTURING
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00

FACILITIES: PLASTICS AND COATINGS TESTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: CHEMICAL ANALYSIS THROUGH HYDRON LABS OF NEW JERSEY

OUTPUTS: N/A

679
NATIONAL KIDNEY FOUNDATION OF WESTERN
PENNSYLVANIA, INC. AGENCY
LINDA S. PRESS-PASTEL, DIRECTOR
NATIONAL KIDNEY FOUNDATION OF WESTERN PENNSYLVANIA
507 LIBERTY AVENUE, EMPIRE BUILDING
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-261-4115

N.C.E.S. CODES
  0
S.I.C. CODES
  809
KEYWORDS
  KIDNEY DISEASE
  REDUCING COSTS
CURRENT FUNDING
  AVERAGE AMOUNT = $100000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH ALL DIALYSIS UNITS (24) AND THE TRANSPLANT CENTER IN WESTERN PENNSYLVANIA

OUTPUTS: N/A

680
NATIONAL TELESERVICE, INC.
DANNA CORNICK, DIRECTOR
TELESERVICE RESEARCH
50 EAST WYNNEWOOD ROAD
WYNNEWOOD, PA 19096
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-649-5975

N.C.E.S. CODES
  6.140200
  9.030000
  45.110000
S.I.C. CODES
  739
KEYWORDS
  MARKETING RESEARCH
  SOCIAL SCIENCE RESEARCH
PERSONNEL
  2 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  40 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $500000.00

FACILITIES: 26 TELEPHONE LINES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

681
NEAPCO INC.
HAROLD R. DIFFENDERFER, DIRECTOR
NEAPCO INC. - R & D DEPARTMENT
P.O. BOX 399
POTTSTOWN, PA 19464
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-323-6000

N.C.E.S. CODES
  1.020400
S.I.C. CODES
  352
  371
KEYWORDS
  MATERIALS SELECTION
  STRENGTH AND DURABILITY TESTING
  NEW PRODUCT DEVELOPMENT

PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $125000.00

FACILITIES: SPECIAL IN-PLANT LABORATORY OF TORQUE (STATIC), FATIGUE AND DURABILITY (FOUR SQUARE MACHINE) TESTING IN ADDITION TO INSTRUMENTS FOR METALLOGRAPHIC EXAMINATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

682
NEILSON ASSOCIATES, INC.
ARTHUR NEILSON, DIRECTOR
NEILSON ASSOCIATES, INC.
719 PHEASANT RUN
WEST CHESTER, PA 19380
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-793-1389

N.C.E.S. CODES
  26.061200
  18.060000
  14.140000
S.I.C. CODES
  809
  899
KEYWORDS
  OCCUPATIONAL MEDICINE
  INDUSTRIAL HYGEINE
  TOXICOLOGY
PERSONNEL
  12 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

FACILITIES: SPECIALIZED OCCUPATIONAL ANALYTICAL LAB

BUILDINGS: N/A

COLLECTIONS: REFERENCE SEARCH, NATIONAL LIBRARY OF MEDICAL AND RELATED DATA BASIS

COOPERATIVE ARRANGEMENTS: NATIONAL SCIENCE FOUNDATION, NATIONAL HEART AND LUNG FOUNDATION, SCORE

OUTPUTS: N/A

683
NEW CASTLE REFRACTORIES CO.
BRIAN CHRISTMAN, DIRECTOR
NEW CASTLE REFRACTORIES CO.
BOX 471
NEW CASTLE, PA 16103
LAWRENCE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 412-654-7711

N.C.E.S. CODES
  14.060000
S.I.C. CODES
  329
KEYWORDS
  REFRACTORY KILN FURNITURE
  FORMULATION DEVELOPMENT
  QUALITY CONTROL TESTING
PERSONNEL
  2 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $375000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

684
NEWCOMER PRODUCTS INC.
B.J. NEMETH, DIRECTOR
RESEARCH AND ENGINEERING DEPARTMENT
P.O. BOX 272
LATROBE, PA 15650
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-537-5531

N.C.E.S. CODES
  14.200000
  14.180000
  14.060000
S.I.C. CODES
  354
KEYWORDS
  IMPROVED CUTTING TOOLS
  NEW CUTTING TOOLS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF

1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $350000.00

FACILITIES: SCANNING ELECTRON BEAM MICROSCOPE

BUILDINGS: N/A

COLLECTIONS: SMALL TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: VARIOUS COMPANIES AND UNIVERSITIES

OUTPUTS: N/A

685
NORMAN SHORR PE
NORMAN SHORR, DIRECTOR
NORMAN SHORR PE
200 BUCHANAN PLACE
PITTSBURGH, PA 15228
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-561-5319

N.C.E.S. CODES
0
S.I.C. CODES
282
348
891
KEYWORDS
CERAMIC-PLASTIC COMPOSITES
PLASTICS TECHNOLOGY
ARMOR
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

686
NORTH AMERICAN TEXTILE MACHINERY CO., INC.
R.W. FARLEY, DIRECTOR
RESEARCH
P.O. BOX 14746
PHILADELPHIA, PA 19134
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-739-9107

N.C.E.S. CODES
14.280000
14.200000
S.I.C. CODES
355
KEYWORDS
FIBER PROCESSING
NON-WOVEN TEXTILE MACHINERY
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $30000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

687
NORTHEASTERN BANK OF PENNSYLVANIA
STEVEN M. GROSSMAN, DIRECTOR
MARKETING RESEARCH
P.O. BOX 231
SCRANTON, PA 18501
LACKAWANNA COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-961-7340

N.C.E.S. CODES
6.030000
6.149900
6.140200
S.I.C. CODES
60
602
KEYWORDS
MARKETING RESEARCH
BANK MARKETING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $35000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

688

NORTHWEST INSTITUTE OF RESEARCH

DR. MARK IUTCOVICH, DIRECTOR
NORTHWEST INSTITUTE OF RESEARCH
434 WEST 8TH STREET
ERIE, PA 16502
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-459-8347

N.C.E.S. CODES
  3.059900
  6.050000
  42.160000
S.I.C. CODES
  892
KEYWORDS
  SOCIAL SCIENCES
  ARCHAEOLOGY
  HISTORICAL RESEARCH
PERSONNEL
  75 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  11 TECHNICAL STAFF
  5 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $250000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY CONTAINING ACCUMULATED DOCUMENTS AND INFORMATION GATHERED ON ALL RESEARCH CONDUCTED

COOPERATIVE ARRANGEMENTS: SUNY BUFFALO; CASE WESTERN RESERVE UNIVERSITY; CLEVELAND MUSEUM OF NATURAL HISTORY; EDINBORO STATE COLLEGE

OUTPUTS: N/A

689

NVF COMPANY

DR. W.M. LAIR, DIRECTOR
PRODUCT DEVELOPMENT DEPARTMENT
MULBERRY AND LAFAYETTE STREETS
KENNETT SQUARE, PA 19348
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-444-2800

N.C.E.S. CODES
  14.180000
  14.070000
  40.050400
S.I.C. CODES
  282
  307
  264
KEYWORDS
  THERMOSETTING LAMINATES DEVELOPMENT
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $200000.00

FACILITIES: COMPLETE PILOT PLANT FOR MANUFACTURE OF LAMINATED PLASTICS; SOPHISTICATED ANALYTICAL AND LAB TEST EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: USE OF UNIVERSITY OF DELAWARE LIBRARY AND LITERATURE SEARCH SERVICES

OUTPUTS: N/A

690

OMEGA RESEARCH ASSOCIATES INC.

MR. KENYON F. MACDONALD, DIRECTOR
MARKETING RESEARCH TECHNO-ECONOMICS
5741 CENTRE AVENUE
PITTSBURGH, PA 15206
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-362-9600

N.C.E.S. CODES
  30.000000
S.I.C. CODES
  282
  28
  20
KEYWORDS
  MULTI-CLIENT
  PACKAGING
  CHEMICALS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: COMPUTERS, PRINTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: TRADE MAGAZINES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

691
ORI, INC.
DONALD FARQUHAR, DIRECTOR
STATE COLLEGE OFFICE
P.O. BOX 30
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1844

N.C.E.S. CODES
14.240000
11.050000
14.270000
S.I.C. CODES
891
KEYWORDS
OPERATIONS RESEARCH
SYSTEMS ENGINEERING
PERSONNEL
8 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

692
ORI, INC.
MICHAEL DANIELE, DIRECTOR
WARMINSTER OFFICE
444 JACKSONVILLE ROAD
WARMINSTER, PA 18974
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-443-9908

N.C.E.S. CODES
14.100000
14.020000
11.050000
S.I.C. CODES
891
KEYWORDS
SYSTEMS ANALYSIS
DATA BASE MANAGEMENT
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

693
OTISCA INDUSTIES, LTD.
JAMES A. MORGAN, DIRECTOR
FLORENCE DEVELOPMENT CENTER
P.O. BOX 18
BURGETTSTOWN, PA 15021
WASHINGTON COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-947-3877

N.C.E.S. CODES
14.990000
40.050200
S.I.C. CODES
99
KEYWORDS
COAL
COAL CLEANING
COAL SEPARATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: UNIT PROCESS EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

694
PACKMAN MARKETING ASSOCIATES
RALPH PACKMAN, DIRECTOR
DENTAL INDUSTRY RESEARCH
1918 PINE STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-416-2311 EXT. 13

N.C.E.S. CODES
17.000000
17.010000
18.040000
S.I.C. CODES
80

807
KEYWORDS
DENTAL PRODUCTS
DENTAL INDUSTRY
DENTAL
CURRENT FUNDING
AVERAGE AMOUNT = $25000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

695
PADEN MANAGEMENT INC.
DR. DAVID L. PADEN, DIRECTOR
TRANSPORTATION COSTING PROGRAM
1225 PILGRAM LANE
BERWYN, PA 19312
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-644-2345

N.C.E.S. CODES
6.050000
6.120000
6.130200
S.I.C. CODES
421
401
444
KEYWORDS
FREIGHT TRANSPORTATION UNIT COSTS
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000.00

BUILDINGS: N/A

COLLECTIONS: CARRIER COST DATA AND COSTING METHODOLOGIES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

696
PELIKAN, INC. - DERRY OPERATION
DR. JOHN WYHOF, DIRECTOR
RESEARCH AND DEVELOPMENT
ONE IMAGING LANE
DERRY, PA 15627
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-694-2792

N.C.E.S. CODES
40.050200
40.050600
40.080800
S.I.C. CODES
282
279
381
KEYWORDS
CHEMICAL ANALYSIS
DRY TONER
PRODUCT TESTING
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: ANALYTICAL LAB, PILOT PLANT, PRODUCT TESTING LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

697
PELMOR LABORATORIES, INC.
THAD H. FREDRICKSON, DIRECTOR
PELMOR LABORATORIES, INC.
401 LAFAYETTE STREET
NEWTOWN, PA 18940
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-968-3825

N.C.E.S. CODES
0
S.I.C. CODES
282
306
KEYWORDS
POLYMER RESEARCH
RUBBER PRODUCTS
POLYMER TESTING
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $75000.00

FACILITIES: RUBBER FORMULATION DEVELOPMENT APPLICATION EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

698
PENN COLOR, INC.
CHARLES B. RYBNY, DIRECTOR
PENN COLOR, INC.
400 OLD DUBLIN PIKE
DOYLESTOWN, PA 18901
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-345-6550

N.C.E.S. CODES
40.050300
40.050400
40.050600
S.I.C. CODES
279
285
KEYWORDS
DISPERSED PIGMENT CONCENTRATE
DISPERSED POLYETHYLENE CONCENTRATE
PERSONNEL
4 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $380000000.00

FACILITIES: HEAVY DUTY MIXERS AND DISPERSERS OF EVERY TYPE CONSISTENT WITH UNIFORM OPTOMIZED PARTICLE SIZE REDUCTION OF PIGMENTS IN RESIN SOLVENT SYSTEMS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY WITH COLLECTION OF RECENT TECHNICAL JOURNALS

COOPERATIVE ARRANGEMENTS: WITH NUMEROUS LARGE CORPORATIONS

OUTPUTS: N/A

699
PENN LAUREL ASSOCIATES, INC.
VERDEAN E. KEYSER, DIRECTOR
Z & M LABORATORIES INC.
ROUTE 1 BOX 650
CENTRAL CITY, PA 15926
SOMERSET COUNTY
SOUTHERN ALLEGHENIES DEVELOPMENT REGION
PHONE: 814-754-4696

N.C.E.S. CODES
3.020300
40.050200
26.050000
S.I.C. CODES
951
71
72
KEYWORDS
MONITORING
CONSULTATION
PLANNING
PERSONNEL
2 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

700
PENNFIELD CORPORATION
JOHN W. FIDLER, DIRECTOR
PENNFIELD CORPORATION
711 ROHRERSTOWN ROAD, P.O. BOX 4366
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-295-8746

N.C.E.S. CODES
1.030200
2.020400
2.020900
S.I.C. CODES
25
29
KEYWORDS
FEEDS
FORMULAS
SWINE MANAGEMENT PRACTICES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $30000.00

FACILITIES: 16 PIG NURSERY PENS, 8 FINISHING PENS

BUILDINGS: 1 BROILER TEST HOUSE WITH 36
INDIVIDUAL PENS

COLLECTIONS: MAINTAINS A SMALL LIBRARY

COOPERATIVE ARRANGEMENTS: N A

OUTPUTS: N A

701
PENNSYLVANIA BLUE SHIELD
DAVID P. ETNOYER, DIRECTOR
RESEARCH DEPARTMENT
N A
CAMP HILL, PA 17011
CUMBERLAND COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-763-3390

N.C.E.S. CODES
  6.130100
  6.130200
  6.050000
S.I.C. CODES
  632
KEYWORDS
  STATISTICAL ANALYSIS
  PHYSICIANS' SERVICES
  ECONOMIC STUDIES
PERSONNEL
  3 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $500000.00

FACILITIES: PRIME 500 MINICOMPUTER, IBM 3033 AND AMDAHL MAINFRAME COMPUTERS, SPSS STATISTICAL ANALYSIS SOFTWARE, GRAPHICS SOFTWARE

BUILDINGS: N/A

COLLECTIONS: MAINTAINS MEDICARE AND PRIVATE BUSINESS COMPUTERIZED CLAIM RECORDS, PHYSICIAN AND SUBSCRIBER BENEFICIARY FILES, AND A MODEST LIBRARY CONTAINING HEALTH CARE BOOKS AND ARTICLES

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH HCFA AND CONSULTANTS AT THE UNIVERSITY OF WASHINGTON AND THE PENNSYLVANIA STATE UNIVERSITY

OUTPUTS: N/A

702
PENNSYLVANIA COLLEGE OF PODIATRIC MEDICINE
DR. MICHAEL BURNS, DIRECTOR
GAIT STUDY CENTER
8TH AND RACE STREETS
PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-629-0300 EXT.155

N.C.E.S. CODES
  18.150000
S.I.C. CODES
  808
KEYWORDS
  HUMAN GAIT ANALYSIS
  FOOT FUNCTION
  MUSCLE ACTIVITY
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $100000.00
  SOURCES: NATIONAL INSTITUTE OF HEALTH, PENNSYLVANIA COLLEGE OF PODIATRIC MEDICINE
PAST FUNDING
  AVERAGE AMOUNT = $100000.00
  SOURCES: NATIONAL INSTITUTE OF HEALTH, PENNSYLVANIA COLLEGE OF PODIATRIC MEDICINE

FACILITIES: COMPUTER AUTOMATED VIDEO SYSTEM, STANDARD VIDEO, HIGH-SPEED CINEMATOGRAPHY, KISTLERFORCE PLATES, AND ELECTROMYOGRAPHY, DEC 11/24 COMPUTER

BUILDINGS: N/A

COLLECTIONS: CHARLES E. KRAUSZ AND AUDIOVISUAL LIBRARIES

COOPERATIVE ARRANGEMENTS: DEPARTMENT OF BIOENGINEERING AT THE UNIVERSITY OF PENNSYLVANIA

OUTPUTS: DEVELOPED A NEW COMPUTER AUTOMATED VIDEO SYSTEM, CLINICAL EVALUATION SERVICE FOR PATIENTS WITH LOCOMOTOR DISABILITIES

703
PENNSYLVANIA COLLEGE OF TEXTILES AND SCIENCE
FRED FORTESS, DIRECTOR
TEXTILE AND APPAREL RESEARCH
SCHOOLHOUSE LANE
PHILADELPHIA, PA 19144
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-951-2762

N.C.E.S. CODES
  14.280000
  8.010000
  4.050000

S.I.C. CODES
22
KEYWORDS
TEXTILES
TEXTILE DEVELOPMENT
TEXTILE EVALUATION
PERSONNEL
1 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: PENNSYLVANIA COLLEGE OF TEXTILES AND SCIENCE, OWENS CORNING FIBER GLASS, JOHNSON AND JOHNSON, CHICOPEE, GENTEX, RAYTHEON
PAST FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: PENNSYLVANIA COLLEGE OF TEXTILES AND SCIENCE, O.C.I., JOHNSON AND JOHNSON, SINGER, BOTANY 500, LITTON INDUSTRIES

FACILITIES: TEXTILES PROCESSING LABORATORIES, TESTING LABS, COMPUTER AND ELECTRONIC LABORATORIES, MACHINE SHOP

BUILDINGS: N/A

COLLECTIONS: TEXTILES LIBRARIES

COOPERATIVE ARRANGEMENTS: FRANKLIN INSTITUTE, UNIVERSITY RESEARCH CENTER

OUTPUTS: N/A

704
PENNSYLVANIA DEPARTMENT OF EDUCATION
MARY KENNEDY, DIRECTOR
BUREAU OF PLANNING, RESEARCH, EVALUATION AND DISSEMINATION
333 MARKET STREET
HARRISBURG, PA 17108
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-787-4097

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
FEDERALLY FUNDED EDUCATION
EDUCATION PROGRAMS
PERSONNEL
11 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $700000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

705
PENNSYLVANIA DEPARTMENT OF HEALTH
DR. GEORGE K. TOKUHATA, DIRECTOR
DIVISION OF EPIDEMIOLOGY RESEARCH
P.O. BOX 90
HARRISBURG, PA 17108
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-787-5264

N.C.E.S. CODES
18.060000
S.I.C. CODES
943
KEYWORDS
EPIDEMIOLOGY
PUBLIC HEALTH
PREVENTIVE MEDICINE
PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $700000.00

FACILITIES: IBM 370 COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

706
PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
N/A, DIRECTOR
OFFICE OF RESEARCH AND SPECIAL STUDIES
ROOM 905, TRANSPORTATION AND SAFETY BUILDING
HARRISBURG, PA 17120
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-787-5593

N.C.E.S. CODES
14.400000
S.I.C. CODES
99

KEYWORDS
EVALUATION
SPECIFICATION
DEMONSTRATION
CURRENT FUNDING
AVERAGE AMOUNT = $2500000.00

FACILITIES: COMPLETE MATERIALS TESTING LABS

BUILDINGS: N/A

COLLECTIONS: WORKING TRANSPORTATION LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

707
PENNSYLVANIA ECONOMY LEAGUE, INC.
LEWIS B. LEE, DIRECTOR
PENNSYLVANIA ECONOMY LEAGUE, INC.
P.O. BOX 105
HARRISBURG, PA 17108
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-234-3151

N.C.E.S. CODES
44.040000
44.050000
44.060000
S.I.C. CODES
869
892
919
KEYWORDS
NON-PARTISAN
OBJECTIVE
PUBLIC ADMINISTRATION
PERSONNEL
31 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
16 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1575000.00

BUILDINGS: N/A

COLLECTIONS: EACH DIVISION MAINTAINS VARIOUS SIZED LIBRARIES CONTAINING SELECTED PUBLIC ADMINISTRATION, REFERENCE, LEGAL AND STATISTICAL VOLUMES AND RESEARCH REPORTS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

708
PENNSYLVANIA ENVIRONMENTAL RESEARCH FOUNDATION
MR. ELGHNOR W. WINSOR, DIRECTOR
PENNSYLVANIA ENVIRONMENTAL RESEARCH FOUNDATION
225 SOUTH 15TH STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-735-0966

N.C.E.S. CODES
44.050000
30.010000
45.100000
S.I.C. CODES
99
KEYWORDS
PUBLIC POLICY
ENVIRONMENTAL QUALITY
RESOURCE MANAGEMENT
PERSONNEL
7 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
4 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

709
PENNSYLVANIA FISH COMMISSION
VINCENT A. MUDRAK, DIRECTOR
FISHERIES RESEARCH SECTION AT THE BENNER SPRING RESEARCH STATION
BSFRS, RD 1, BOX 485
BELLEFONTE, PA 16823
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-355-4837

N.C.E.S. CODES
2.020700
1.030300
2.020400
S.I.C. CODES
98
KEYWORDS
AQUACULTURE
NUTRITION
WATER QUALITY
PERSONNEL
7 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT = $250000.00

FACILITIES: RESEARCH STATION COMPLETE WITH WET LAB; RESEARCH VESSEL "PERCA" ON LAKE ERIE; CHEMISTRY LAB; MICROBIOLOGY LAB; HISTOLOGY LAB; MICROSCOPY ROOM

BUILDINGS: N/A

COLLECTIONS: REFERENCE LIBRARY ON FISHERIES COLLECTION AND BOOKS

COOPERATIVE ARRANGEMENTS: USFWS COOPERATIVE FISHERY UNIT

OUTPUTS: N/A

710
PENNSYLVANIA FISH COMMISSION, BUREAU OF
FISHERIES AND ENGINEERING
EDWARD R. MILLER, DIRECTOR
FISHERIES RESEARCH SECTION
450 ROBINSON LANE
BELLEFONTE, PA 16823
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-359-2754

N.C.E.S. CODES
  1.030300
  2.020700
  14.050000
S.I.C. CODES
  92
  891
KEYWORDS
  FISH CULTURE TECHNIQUES
  DIAGNOSTIC PATHOLOGY
  BROOD STOCK DEVELOPMENT
PERSONNEL
  4 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  7 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $487500.00

FACILITIES: FISH CULTURE RESEARCH STATION AND LABORATORY

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A FISH CULTURE RESEARCH LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

711
PENNSYLVANIA INTERGOVERNMENTAL COUNCIL
KENNETH M. MARTIN, DIRECTOR
PENNSYLVANIA INTERGOVERNMENTAL COUNCIL
P.O. BOX 1288
HARRISBURG, PA 17108
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-783-3700

N.C.E.S. CODES
  44.050000
  44.020000
  45.100100
S.I.C. CODES
  919
  93
  839
KEYWORDS
  INTERGOVERNMENTAL RELATIONS
  PUBLIC FINANCE
  ECONOMIC DEVELOPMENT
PERSONNEL
  3 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00

FACILITIES: NCR 9020 MINICOMPUTER WITH SIX TERMINALS; AB DICK MAGNA SL WORD PROCESSING WITH THREE TERMINALS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY WITH MATERIALS ON INTERGOVERNMENTAL RELATION AND POLICY, LOCAL GOVERNMENT FINANCE, NATIONWIDE COLLECTION OF SCP BLOCK GRANT INFORMATION

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH PENNSYLVANIA DEPARTMENT OF COMMUNITY AFFAIRS; DEVELOPING ARRANGEMENTS WITH STATE DATA CENTER AT THE PENNSYLVANIA STATE UNIVERSITY, CAPITOL CAMPUS

OUTPUTS: N/A

712
PENNSYLVANIA OFFICE OF EMPLOYMENT SECURITY
CARL R. THOMAS, DIRECTOR
RESEARCH AND STATISTICS DIVISION
LABOR AND INDUSTRY BUILDING, ROOM 1214, 7TH AND FORSTER STREETS
HARRISBURG, PA 17121
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-787-3265

N.C.E.S. CODES
  0

S.I.C. CODES
961
KEYWORDS
EMPLOYMENT STATISTICS
UNEMPLOYMENT STATISTICS
DEMOGRAPHIC STATISTICS
PERSONNEL
25 RESEARCH PROFESSIONALS
37 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
35 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3000000.00

FACILITIES: IBM 3033

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

713
PENNSYLVANIA POWER AND LIGHT COMPANY
DR. HEINZ G. PFEIFFER, DIRECTOR
TECHNOLOGY AND ENERGY ASSESSMENT DEPARTMENT
TWO NORTH STREET
ALLENTOWN, PA 18101
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-770-5884

N.C.E.S. CODES
14.010000
30.030100
40.010000
S.I.C. CODES
491
496
12
KEYWORDS
INCREASED EFFICIENCY
IMPROVED ENVIRONMENT
UTILIZATION OF WASTE
PERSONNEL
4 RESEARCH PROFESSIONALS
50 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $5000000.00

FACILITIES: AQUACULTURE FACILITIES INCLUDING A FISH FARM PLUS A COMBINATION FISH HATCHERY AND GREENHOUSE; HARWOOD WIND TURBINE AND PHOTOVOLTAIC ARRAY

BUILDINGS: FISH HATCHERY GREENHOUSE BUILDING

COLLECTIONS: RESEARCH PERIODICALS

COOPERATIVE ARRANGEMENTS: PARTICIPANT OF LEHIGH UNIVERSITY ENERGY LIAISON PROGRAM

OUTPUTS: N/A

714
PENNSYLVANIA SHIPBUILDING CO.
MR. J. WITTMEYER, DIRECTOR
ENGINEERING DIVISION
P.O. BOX 442
CHESTER, PA 19016
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-499-2150

N.C.E.S. CODES
14.990000
S.I.C. CODES
162
KEYWORDS
SHIP CONSTRUCTION
SHIP REPAIR
SHIP ENGINEERING

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

715
PENNSYLVANIA STATE UNIVERSITY
DR. SAMUEL M. CURTIS, DIRECTOR
AGRICULTURAL AND EXTENSION EDUCATION
102 ARMSBY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1688

N.C.E.S. CODES
6.060000
10.010100
S.I.C. CODES
839
941
KEYWORDS
AGRICULTURAL EDUCATION EVALUATION
TECHNOLOGY UTILIZATION
INSTRUCTIONAL METHODS
PERSONNEL
6 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
4 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT = $421951.00
PAST FUNDING
  AVERAGE AMOUNT = $462427.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

716
PENNSYLVANIA STATE UNIVERSITY
DR. JOHN W. MALONE, DIRECTOR
AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY
6 WEAVER BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-5461

N.C.E.S. CODES
  1.010100
  45.110100
  8.060000
S.I.C. CODES
  99
KEYWORDS
  IMPROVE PRODUCTIVITY
  ECONOMIC AND SOCIAL ANALYSIS
  AGRICULTURE AND NATURAL RESOURCES
PERSONNEL
  32 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  29 TECHNICAL STAFF
  14 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1506797.00
  SOURCES: HATCH, CSRS SPECIAL AND COMPETATIVE GRANTS, USDA, COMMONWEALTH OF PENNSYLVANIA, INDUSTRY CONTRACTS AND GRANTS
PAST FUNDING
  AVERAGE AMOUNT = $1371715.00
  SOURCES: HATCH, CSRS SPECIAL AND COMPETATIVE GRANTS, USDA, COMMONWEALTH OF PENNSYLVANIA, INDUSTRY CONTRACTS AND GRANTS

FACILITIES: 18 TERMINALS, 5 MICROCOMPUTERS AND 1 LINE PRINTER

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF PROFESSIONAL JOURNALS, STATISTICAL REPORTS, DEPARTMENT PUBLICATIONS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: AGRICULTURAL EXPERIMENT STATION TECHNICAL BULLETINS, DEPARTMENT PUBLICATIONS, REFEREED JOURNAL ARTICLES, PAPER PRESENTATIONS AT PROFESSIONAL AND INDUSTRY CONFERENCES

717
PENNSYLVANIA STATE UNIVERSITY
DR. HAROLD V. WALTON, DIRECTOR
AGRICULTURAL ENGINEERING
250 AGRICULTURAL ENGINEERING BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7792

N.C.E.S. CODES
  1.020400
  1.020500
  1.020600
S.I.C. CODES
  99
KEYWORDS
  PLANT PRODUCTION ENGINEERING
  LAND AND WATER RESOURCES
  AGRICULTURAL ELECTRONICS
PERSONNEL
  15 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  14 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1125000.00
  SOURCES: PENNSYLVANIA, COMPETITIVE GRANTS, U.S. GOVERNMENT
PAST FUNDING
  AVERAGE AMOUNT = $1064000.00
  SOURCES: U.S. GOVERNMENT, COMPETITIVE GRANTS, PENNSYLVANIA

FACILITIES: MACHINE SHOP; COMPUTER SUPPORT; RESEARCH LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH PLANT SCIENTISTS AND ANIMAL SCIENTISTS

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

718
PENNSYLVANIA STATE UNIVERSITY
DR. JAMES L. STARLING, DIRECTOR
AGRONOMY
119 TYSON BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY

SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-6541

N.C.E.S. CODES
2.040200
2.050100
1.030400
S.I.C. CODES
11
13
71
KEYWORDS
CROPS
SOILS
TURFGRASS
PERSONNEL
30 RESEARCH PROFESSIONALS
11 SUPPORT PROFESSIONALS
39 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2345000.00
SOURCES: USDA, EPA, INDUSTRY GRANTS AND CONTRACTS, COMMONWEALTH OF PENNSYLVANIA, TVA, SALE OF PRODUCTS
PAST FUNDING
AVERAGE AMOUNT = $2242294.00
SOURCES: USDA, EPA, INDUSTRY GRANTS AND CONTRACTS, COMMONWEALTH OF PENNSYLVANIA, TVA, NASA

FACILITIES: RESEARCH FARM, TURFGRASS RESEARCH CENTER, ANALYTICAL LABORATORIES, GROWTH CHAMBERS

BUILDINGS: GREENHOUSES, SEED STORAGE

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: FULL COOPERATION WITH THREE USDA RESEARCH LABORATORIES, PENNSYLVANIA STATE UNIVERSITY LAND AND WATER RESOURCE INSTITUTE, NUMEROUS INDUSTRIES, TVA

OUTPUTS: SLUDGE AND SOIL ANALYTICAL SERVICE; DEVELOPED INFRA-REFLECTANCE METHODOLOGY FOR FORAGE ANALYSIS; RELEASED IMPROVED VARIETY OF BENTGRASS; REVEGETATION GUIDELINES FOR DISTURBED LAND; HYBRID CORN PERFORMANCE REPORTS; RELEASED IMPROVED LINES OF OATS AND CORN

719
PENNSYLVANIA STATE UNIVERSITY
DR. L. RAYMOND HETTCHE, DIRECTOR
APPLIED RESEARCH LABORATORY
P.O. BOX 30
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-6343

N.C.E.S. CODES
30.030000
28.040000
14.010000
S.I.C. CODES
892
KEYWORDS
THERMAL POWER PLANTS
SONAR SYSTEMS
PROPULSORS
PERSONNEL
72 RESEARCH PROFESSIONALS
48 SUPPORT PROFESSIONALS
121 TECHNICAL STAFF
70 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000000.00
SOURCES: OFFICE OF NAVAL RESEARCH, NASA, IBM, NAVAL SEA SYSTEMS COMMAND, FEDERAL HIGHWAY ADMINISTRATION
PAST FUNDING
AVERAGE AMOUNT = $15630519.00
SOURCES: OFFICE OF NAVAL RESEARCH, NASA, AIRCO CARBON COMPANY, DUPONT, NAVAL SEA COMMAND, FEDERAL HIGHWAY ADMINISTRATION, 3M COMPANY

FACILITIES: LARGEST WATER TUNNEL IN U.S. FOR HYDROMECHANICS RESEARCH, LARGE HIGH PRESSURE TEST FIXTURES, POWER PLANT TEST FACILITY

BUILDINGS: GARFIELD THOMAS WATER TUNNEL BUILDING

COLLECTIONS: APPROXIMATELY 25000 VOLUMES INCLUDING BOOKS, PERIODICALS AND REPORTS

COOPERATIVE ARRANGEMENTS: WITH OTHER UNIVERSITY DEPARTMENTS

OUTPUTS: NUMEROUS REPORTS AND PATENTS, THE DEVELOPMENT OF A SPECIAL PROPULSOR, PILOT PRODUCTION OF A POWER PLANT

720
PENNSYLVANIA STATE UNIVERSITY
DR. WILLIAM S. PIERCE, DIRECTOR
ARTIFICIAL HEART RESEARCH PROJECT
HERSHEY MEDICAL CENTER
HERSHEY, PA 17033
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-534-8328

N.C.E.S. CODES
18.102700
17.020100
S.I.C. CODES
806
KEYWORDS
CARDIAC ASSIST PUMP
CARDIAC SUPPORT

ARTIFICIAL HEARTS
PERSONNEL
5 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $350000.00
SOURCES: NATIONAL INSTITUTE OF HEALTH, WHITAKER FOUNDATION, PENNSYLVANIA SCIENCE AND ENGINEERING FOUNDATION, PRIVATE GIFTS
PAST FUNDING
AVERAGE AMOUNT = $350000.00
SOURCES: NATIONAL INSTITUTE OF HEALTH, WHITAKER FOUNDATION, PENNSYLVANIA SCIENCE AND ENGINEERING FOUNDATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL ARTICLES IN PROFESSIONAL JOURNALS AND ONE PATENT

721
PENNSYLVANIA STATE UNIVERSITY
DR. R.W. BERNLOHR, DIRECTOR
BIOCHEMISTRY PROGRAM
108 ALTHOUSE LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-3914

N.C.E.S. CODES
26.020000
26.069900
18.020200
S.I.C. CODES
809
807
74
KEYWORDS
BASIC RESEARCH
BIOTECHNOLOGY
PERSONNEL
12 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
50 TECHNICAL STAFF
12 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1300000.00
SOURCES: PHS, NASA, AMERICAN CANCER SOCIETY, NSF, AMERICAN HEART ASSOCIATION, PRIVATE COMPANIES
PAST FUNDING
AVERAGE AMOUNT = $1200000.00
SOURCES: PHS, NASA, AMERICAN CANCER SOCIETY, NSF, AMERICAN HEART ASSOCIATION, PRIVATE COMPANIES

FACILITIES: ALL TYPES OF BIOCHEMICAL FACILITIES AND EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL REPORTS

722
PENNSYLVANIA STATE UNIVERSITY
DR. DAVID B. GESELOWITZ, DIRECTOR
BIOENGINEERING PROGRAM
328 HAMMOND BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1407

N.C.E.S. CODES
14.050000
S.I.C. CODES
899
38
KEYWORDS
BIOMEDICAL ENGINEERING
MEDICAL ULTRASONICS
PULMONARY FUNCTION STUDIES
PERSONNEL
3 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
17 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 20 PROFESSIONAL JOURNAL ARTICLES

723
PENNSYLVANIA STATE UNIVERSITY
DR. RICHARD C. NELSON, DIRECTOR
BIOMECHANICS LABORATORY
N/A
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-3445

N.C.E.S. CODES
0

S.I.C. CODES
99
KEYWORDS
LOCOMOTION
HUMAN EFFICIENCY
CYCLING
PERSONNEL
2 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00
SOURCES: SHIMANO COMPANY OF JAPAN; U.S. ARMY; PUMA COMPANY
PAST FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: SHIMANO COMPANY OF JAPAN; U.S. ARMY; PUMA COMPANY

FACILITIES: PDP-11 LAB COMPUTER SYSTEM, ON-LINE FILM ANALYSIS, FORCE PLATFORM UNIT; HIGH SPEED MOTION PHOTOGRAPHIC CAPABILITIES

BUILDINGS: THREE STORY LABORATORY

COLLECTIONS: MAINTAINS A WORKING LIBRARY IN THE LABORATORY

COOPERATIVE ARRANGEMENTS: JOINT PRODUCTS WITH OTHER DEPARTMENTS OF THE UNIVERSITY

OUTPUTS: PRESSURE DISTRIBUTION MAT FOR FOOT MEASUREMENTS; ON-LINE LABORATORY COMPUTER SYSTEM, TESTS FOR EVALUATING LOAD CARRYING BEHAVIOR

724
PENNSYLVANIA STATE UNIVERSITY
DR. SATOSHI MATSUSHIMA, DIRECTOR
BLACK MOSHANNON OBSERVATORY
525 DAVEY LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-0418

N.C.E.S. CODES
40.020000
40.030000
S.I.C. CODES
381
383
892
KEYWORDS
STARS
ACTIVE GALAXIES
QUASARS
PERSONNEL
9 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $119000.00
SOURCES: NSF
PAST FUNDING
AVERAGE AMOUNT = $95133.00
SOURCES: NSF, AF

FACILITIES: 62 INCH DIAMETER TELESCOPE AND DATA ACQUISITION SYSTEM

BUILDINGS: BLACK MOSHANNON OBSERVATORY BUILDING

COLLECTIONS: MAINTAINS A LIBRARY OF 500 VOLUMES ON ASTRONOMY

COOPERATIVE ARRANGEMENTS: JPL-MIT CCD DETECTOR DEVELOPMENT

OUTPUTS: OVER 100 RESEARCH REPORTS AND SCIENTIFIC PAPERS; DEVELOPED CCD DETECTORS FOR X-RAY OBSERVATIONS

725
PENNSYLVANIA STATE UNIVERSITY
DR. EDWARD J. MASSARO, DIRECTOR
CENTER FOR AIR ENVIRONMENT STUDIES
226 FENSKE LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1415

N.C.E.S. CODES
30.010000
30.030000
14.140000
S.I.C. CODES
951
KEYWORDS
AIR POLLUTION RESEARCH
MULTIDISCIPLINARY RESEARCH
INTERCOLLEGE RESEARCH
PERSONNEL
16 RESEARCH PROFESSIONALS
13 SUPPORT PROFESSIONALS
36 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1079365.00
SOURCES: DEPARTMENT OF ENERGY, E.P.A., NASA, PUBLIC HEALTH SERVICE, DUPONT, INTERNATIONAL MINERALS CORPORATION
PAST FUNDING
AVERAGE AMOUNT = $1500000.00
SOURCES: D.O.E., E.P.A., NASA, NIH, DUPONT, INTERNATIONAL MINERALS CORPORATION

FACILITIES: AIR ANALYSIS LABORATORIES (AEROSOL, GASES, CHEMISTRY); BIOLOGICAL FACILITIES INCLUDING EXPOSURE, ANIMAL HOLDING, AND SURGICAL ROOMS; A

PHYSIOLOGICAL LABORATORY; PHYTOPATHOLOGY LABS AND GREENHOUSES; FIELD SAMPLING UNITS, COMPRISING TWO MOBILE LABS, SAMPLING TOWERS AND PORTABLE UNITS FOR AIRBORNE USE, AND AN INFORMATION SERVICE

BUILDINGS: N/A

COLLECTIONS: INFORMATION SERVICE MAINTAINS A CURRENT, EXTENSIVE COLLECTION OF OVER 30000 ITEMS OF AIR ENVIRONMENT RELATED INFORMATION ON MICROFILM, IN A DOCUMENT COLLECTION, IN JOURNALS, AND IN BOOKS, USING JONKERS TERMITREX SYSTEM FOR RAPID RETRIEVAL OF INFORMATION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: CAES ANNUAL REPORT, CAES ACTIVITIES REPORT

726
PENNSYLVANIA STATE UNIVERSITY
DR. EDWARD H. KLEVANS, DIRECTOR
CENTER FOR AUTOMATION AND ROBOTICS
105 HAMMOND BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-4542

N.C.E.S. CODES
  14.170000
  14.190000
S.I.C. CODES
  34
KEYWORDS
  MANUFACTURING CELLS
  ROBOTIC ASSEMBLY
  COMPUTER AIDED ENGINEERING
PERSONNEL
  16 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $250000.00
  SOURCES: IBM, TOBYHANNA ARMY ARSENAL, BETHLEHEM STEEL, SOC. MANU. ENG.

FACILITIES: ROBOTS: 2 GMF MODEL O, 1 GMF MODEL 1, 1 IBM RS-1

BUILDINGS: FANUC CNC MACHING CENTER

COLLECTIONS: CURRENT PERIODICALS AND TRADE MAGAZINES MAINTAINED BY ENGINEERING LIBRARY OR ASSOCIATE DEAN OF RESEARCH

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

727
PENNSYLVANIA STATE UNIVERSITY
DR. WILLIAM TOOMBS, DIRECTOR
CENTER FOR THE STUDY OF HIGHER EDUCATION
325 POND LAB
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-6346

N.C.E.S. CODES
  30.000000
  6.150000
  6.060000
S.I.C. CODES
  892
  941
KEYWORDS
  POLICY ANALYSIS
  UNIVERSITIES
  ACADEMIC ORGANIZATION
PERSONNEL
  6 RESEARCH PROFESSIONALS
  10 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00
  SOURCES: NATIONAL SCIENCE FOUNDATION, KELLOGG FOUNDATION, LILLY ENDOWMENT, EXXON CORPORATION, THE COMMONWEALTH OF PENNSYLVANIA
PAST FUNDING
  AVERAGE AMOUNT = $250000.00
  SOURCES: OFFICE OF EDUCATION, FUND FOR THE IMPROVEMENT OF POSTSECONDARY EDUCATION, THE FORD FOUNDATION, THE KELLOGG FOUNDATION, NATIONAL SCIENCE FOUNDATION, NATIONAL INSTITUTE FOR EDUCATION

FACILITIES: WORD PROCESSING, MICROCOMPUTER, TERMINAL ACCESS TO IBM 3081 AND 4341

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF 1500 VOLUMES, 50 PERIODICALS AND 100 NEWSLETTERS ON HIGHER EDUCATION AND SOCIAL AND BEHAVIORAL SCIENCES, ALSO SPECIAL COLLECTIONS OF REPORTS AND OTHER PUBLICATIONS OF EDUCATIONAL ORGANIZATIONS

COOPERATIVE ARRANGEMENTS: FACULTY ASSOCIATES COOPERATE WITH CENTER ON STUDY PROJECTS

OUTPUTS: NUMEROUS PAPERS, ARTICLES AND MONOGRAPHS

728
PENNSYLVANIA STATE UNIVERSITY
DR. HELLMUT HAGER, DIRECTOR
CENTER FOR THE STUDY OF RENAISSANCE AND BAROQUE ARTS

226 ARTS 11 BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-6326

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
ART HISTORICAL STUDIES
RENAISSANCE AND BAROQUE ART PERIODS
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3500.00
SOURCES: GRAHAM FOUNDATION OF CHICAGO

BUILDINGS: N/A

COLLECTIONS: UTILIZE A SLIDE LIBRARY AND A DEVELOPING PHOTOGRAPHIC COLLECTION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL JOURNAL ARTICLES

729
PENNSYLVANIA STATE UNIVERSITY
PROFESSOR PHILIP D. CADY, DIRECTOR
CIVIL ENGINEERING MATERIALS LABORATORY
212 SACKETT BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-8391

N.C.E.S. CODES
14.180000
14.080000
S.I.C. CODES
161
327
295
KEYWORDS
PAVING MATERIALS
CONCRETE
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $33374.00
SOURCES: NATIONAL COOP HIGHWAY RESEARCH PROGRAM, PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
PAST FUNDING
AVERAGE AMOUNT = $59932.00
SOURCES: NATIONAL COOP RESEARCH PROGRAM, PENNSYLVANIA DEPARTMENT OF TRANSPORTATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH LEHIGH UNIVERSITY

OUTPUTS: NUMEROUS REPORTS AND REFEREED PAPERS

730
PENNSYLVANIA STATE UNIVERSITY
DR. C.S. CARD, DIRECTOR
CLINICAL CHEMISTRY AND APPLIED NUTRITION, VETERINARY SCIENCE
115 HENNING BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7696

N.C.E.S. CODES
2.020400
S.I.C. CODES
74
24
KEYWORDS
CLINICAL PATHOLOGY
HEMATOLOGY
METABOLIC DISEASES
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
20 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $218000.00
SOURCES: SALES, EPA RESEARCH GRANTS WITH CAES, DEPARTMENTAL ALLOCATION
PAST FUNDING
AVERAGE AMOUNT = $175000.00
SOURCES: SALES, RESEARCH GRANTS, DEPARTMENTAL ALLOCATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: CENTER FOR AIR ENVIRONMENT STUDIES

OUTPUTS: SEVERAL BASIC AND APPLIED RESEARCH PUBLICATIONS, DIAGNOSTIC FINDINGS IN CLINICAL BIOCHEMISTRY, MINERAL ANALYSIS AND NUTRITIONAL ASSAYS FOR FOOD PRODUCING ANIMALS, AND NUMEROUS EXTENSION PUBLICATIONS AND RECOMMENDATIONS ON FEEDING DAIRY AND BEEF CATTLE, SHEEP AND SWINE

731
PENNSYLVANIA STATE UNIVERSITY
JR. DR. WILLIAM SPACKMAN, DIRECTOR
COAL RESEARCH STATION
513 DEIKE BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-6544

N.C.E.S. CODES
30.010100
S.I.C. CODES
12
11
299
KEYWORDS
COAL CHARACTERISTICS
COAL UTILIZATION
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00
SOURCES: U.S.-DOE, INDUSTRY, NSF, USGS
PAST FUNDING
AVERAGE AMOUNT = $2000000.00
SOURCES: U.S.-DOE, INDUSTRY, NSF, USGS

FACILITIES: MAINTAINS A COAL COMBUSTION LABORATORY FOR STUDY OF FLAMES, AN EXTENSIVE PENNSYLVANIA STATE UNIVERSITY COAL SAMPLE BANK, AND PENNSYLVANIA STATE UNIVERSITY COAL DATA BASE WITH ANALYTICAL DATA ON THE CHARACTERISTICS OF THE NATION'S COAL

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: COOPERATIVE ARRANGEMENTS WITH 24 INDUSTRIAL CORPORATIONS FORMING THE COOPERATIVE PROGRAM IN COAL RESEARCH

OUTPUTS: N/A

732
PENNSYLVANIA STATE UNIVERSITY
DR. DONALD T. LAIRD, DIRECTOR
COMPUTATION CENTER
COMPUTATION BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-0422

N.C.E.S. CODES
11.000000
14.100000
S.I.C. CODES
892
KEYWORDS
COMPUTER SERVICE
DATA COMMUNICATION
COMPUTER NETWORKING
PERSONNEL
5 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
29 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: IBM 3081, 4341, 158 COMPUTERS; DATA COMMUNICATION EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

733
PENNSYLVANIA STATE UNIVERSITY
DR. EDWARD J. HULL, DIRECTOR
COMPUTER-AIDED DESIGN LABORATORY
101 ENGINEERING A BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-2077

N.C.E.S. CODES
14.040000
S.I.C. CODES
891
893
KEYWORDS
COMPUTER-AIDED DESIGN
ARCHITECTURAL ENGINEERING
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: COMPUTER TERMINALS, MICRO-PROCESSORS, COLOR GRAPHICS SYSTEM

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

734
PENNSYLVANIA STATE UNIVERSITY
DR. PAUL J. WANGSNESS, DIRECTOR
DAIRY AND ANIMAL SCIENCE DEPARTMENT
324 ANIMAL INDUSTRIES BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-3665

N.C.E.S. CODES
1.030200
2.020600
2.020800
S.I.C. CODES
27
24
29
KEYWORDS
ANIMAL PRODUCTION EFFICIENCY
QUALITY ANIMAL PRODUCTS
FORAGE UTILIZATION
PERSONNEL
19 RESEARCH PROFESSIONALS
16 SUPPORT PROFESSIONALS
38 TECHNICAL STAFF
9 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1525000.00
SOURCES: U.S. GOVERNMENT, COMMONWEALTH OF PENNSYLVANIA, GRANTS (USDA, NIH, INDUSTRY), SALE OF PRODUCTS
PAST FUNDING
AVERAGE AMOUNT = $1514171.00
SOURCES: U.S. GOVERNMENT, COMMONWEALTH OF PENNSYLVANIA, GRANTS (USDA, NIH, INDUSTRY), SALE OF PRODUCTS

FACILITIES: EXTENSIVE LAB FACIITIES (HPLC, ELECTROPHORESIS, CHROMATOGRAPH, SCINTILLATION COUNTERS, CALORIMETRY, AMINO ACID ANALYZER, ULTRA CENTRIFUGETOR)

BUILDINGS: DAIRY PRODUCTION CENTER, BEEF AND SHEEP CENTER, SWINE CENTER, DAIRY BREEDING RESEARCH CENTER, DEER PENS, ANIMAL INDUSTRIES BUILDING, MEATS LAB

COLLECTIONS: ANIMAL INDUSTRIES WORKING COLLECTION (SMALL LIBRARY OF BOOKS AND JOURNALS IN ANIMAL AND BIOLOGICAL SCIENCES); ANIMAL HERDS AND FLOCKS

COOPERATIVE ARRANGEMENTS: WITH OTHER DEPARTMENTS OF THE UNIVERSITY; USDA REGIONAL PASTURE RESEARCH LAB

OUTPUTS: RESEARCH REPORTS IN REFEREED SCIENTIFIC JOURNALS, ARTICLES IN POPULAR PRESS, IN HOUSE PUBLICATIONS USED FOR EVENTS OPEN TO THE PUBLIC (CONFERENCES, SHORT COURSES, FIELD DAYS)

735
PENNSYLVANIA STATE UNIVERSITY
DR. EUGENE A. DAVIDSON, DIRECTOR
DEPARTMENT OF BIOLOGICAL CHEMISTRY
MILTON HERSHEY MEDICAL CENTER
HERSHEY, PA 17033
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-534-8586

N.C.E.S. CODES
26.020000
26.040000
S.I.C. CODES
99
KEYWORDS
GENETICS
BIOCHEMISTRY
MICROBIOLOGY
PERSONNEL
10 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
25 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $800000.00
SOURCES: NIH
PAST FUNDING
AVERAGE AMOUNT = $750000.00
SOURCES: NIH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL RESEARCH PAPERS IN PROFESSIONAL JOURNALS

736
PENNSYLVANIA STATE UNIVERSITY
DR. E.S. LINDSTROM, DIRECTOR
DEPARTMENT OF BIOLOGY
208 MUELLER BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-4562

N.C.E.S. CODES
26.990000
26.070600
26.070300
S.I.C. CODES
809
842
KEYWORDS
ECOLOGY
PHYSIOLOGY
BOTONY

PERSONNEL
28 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
60 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $785123.00
SOURCES: NSF, PHS, AHAF, USDA, MD
PAST FUNDING
AVERAGE AMOUNT = $841000.00
SOURCES: NSF, PHS, AHAF, USDA, MD

BUILDINGS: N/A

COLLECTIONS: PLANT HERBARIUM; BIOLOGICAL HERBARIA; MYCOLOGICAL HERBARIUM; MARINE REPTILE AQUARIA

COOPERATIVE ARRANGEMENTS: COLLEGE OF AGRICULTURE, GERONTOLOGY CENTER

OUTPUTS: NUMEROUS RESEARCH PUBLICATIONS

737
PENNSYLVANIA STATE UNIVERSITY
DR. JOHN A. DUTTON, DIRECTOR
DEPARTMENT OF METEOROLOGY
503 WALKER BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-0478

N.C.E.S. CODES
40.040000
S.I.C. CODES
99
KEYWORDS
WEATHER
ATMOSPHERIC RESEARCH
OBSERVATIONS
PERSONNEL
19 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
52 TECHNICAL STAFF
7 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1800000.00
SOURCES: COMMONWEALTH OF PENNSYLVANIA, U.S. GOVERNMENT AGENCIES
PAST FUNDING
AVERAGE AMOUNT = $1829716.00
SOURCES: COMMONWEALTH OF PENNSYLVANIA, U.S. GOVERNMENT AGENCIES

FACILITIES: WEATHER ANALYSIS AND FORECASTING COMPUTER SYSTEM; WSR 74C RADAR; EQUIPMENT AND SITES FOR REMOTE SENSING OF ATMOSPHERIC VARIABLES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: NMC/NOAA COOPERATIVE AGREEMENT

OUTPUTS: ARTICLES IN PROFESSIONAL JOURNALS

738
PENNSYLVANIA STATE UNIVERSITY
DR. FRED RAPP, DIRECTOR
DEPARTMENT OF MICROBIOLOGY
MILTON HERSHEY MEDICAL CENTER
HERSHEY, PA 17033
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-534-8253

N.C.E.S. CODES
26.050000
26.040100
26.040200
S.I.C. CODES
99
KEYWORDS
HERPES VIRUS
CANCER
GENES
PERSONNEL
9 RESEARCH PROFESSIONALS
12 SUPPORT PROFESSIONALS
18 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1823767.00
SOURCES: NIH, ACS, INSTITUTIONAL SOURCES
PAST FUNDING
AVERAGE AMOUNT = $1756152.00
SOURCES: NIH, LSA, ACS, INSTITUTIONAL SOURCES

FACILITIES: P-3, ELECTRON SCANNING MICROSCOPE, CELL CULTURE AND MOLECULAR BIOLOGY FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH OTHER DEPARTMENTS IN THE CENTER

OUTPUTS: OVER 200 PUBLICATIONS IN PROFESSIONAL JOURNALS, ABSTRACTS AND CHAPTERS IN TEXTS

739
PENNSYLVANIA STATE UNIVERSITY
DR. HOWARD E. MORGAN, DIRECTOR
DEPARTMENT OF PATHOLOGY
MILTON HERSHEY MEDICAL CENTER
HERSHEY, PA 17033
DAUPHIN COUNTY

CAPITOL DEVELOPMENT REGION
PHONE: 717-534-8567

N.C.E.S. CODES
26.040100
S.I.C. CODES
99
KEYWORDS
METABOLISM
ENDOCRINOLOGY
CELL BIOLOGY
PERSONNEL
12 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
24 TECHNICAL STAFF
9 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1200000.00
SOURCES: NIH, NSF
PAST FUNDING
AVERAGE AMOUNT = $1100000.00
SOURCES: NIH, NSF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NEARLY 200 RESEARCH PAPERS PUBLISHED IN PROFESSIONAL JOURNALS

740
PENNSYLVANIA STATE UNIVERSITY
DR. HOWARD E. MORGAN, DIRECTOR
DEPARTMENT OF PHYSIOLOGY
MILTON HERSHEY MEDICAL CENTER
HERSHEY, PA 17033
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 814-534-8567

N.C.E.S. CODES
26.040100
S.I.C. CODES
99
KEYWORDS
METABOLISM
ENDOCRINOLOGY
CELL BIOLOGY
PERSONNEL
12 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
24 TECHNICAL STAFF
9 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1200000.00
SOURCES: NIH, NSF
PAST FUNDING
AVERAGE AMOUNT = $1100000.00
SOURCES: NIH, NSF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ALMOST 200 PUBLICATIONS IN PROFESSIONAL JOURNALS

741
PENNSYLVANIA STATE UNIVERSITY
DR. EARL KESLER, DIRECTOR
DIARY PRODUCTION RESEARCH CENTER
N/A
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7638

N.C.E.S. CODES
2.020600
2.020200
2.020400
S.I.C. CODES
24
KEYWORDS
DIARY CATTLE
NUTRITION
MILK
PERSONNEL
5 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $740000.00
SOURCES: DEPARTMENT ALLOCATION, SALES OF MILK AND SURPLUS ANIMALS, INDUSTRY GRANTS
PAST FUNDING
AVERAGE AMOUNT = $730000.00
SOURCES: DEPARTMENTAL ALLOCATION, SALES OF MILK AND SURPLUS ANIMALS, INDUSTRY GRANTS

FACILITIES: MILKING AND CATTLE HANDLING EQUIPMENT

BUILDINGS: DAIRY CATTLE HOUSING

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

742
PENNSYLVANIA STATE UNIVERSITY
DR. C.S. CARD, DIRECTOR
E. COLI REFERENCE CENTER, VETERINARY SCIENCE
115 HENNING BUILDING

UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7696

N.C.E.S. CODES
  18.020300
  18.100900
  17.031100
S.I.C. CODES
  74
  24
  25
KEYWORDS
  E. COLI
  SEROTYPING
  ANTISERA
PERSONNEL
  1 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $52000.00
  SOURCES: SALES, DEPARTMENTAL ALLOTMENT
PAST FUNDING
  AVERAGE AMOUNT = $25000.00
  SOURCES: SALES, DEPARTMENTAL ALLOTMENT

FACILITIES: ELIZA (COMPUTERIZED); FERMENTERS IMMUNOLOGY EQUIPMENT FOR E. COLI IDENTIFICATION AND STUDIES; PRESENTLY 20000 STRAINS OF E. COLI RELATED TO ANIMAL AND HUMAN DISEASES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL BASIC AND APPLIED RESEARCH PUBLICATIONS, SEROLOGICAL AND CULTURAL IDENTIFICATION OF STRAINS AND PATHOGENICITY CHARACTERISTICS OF E. COLI, PRODUCTION OF SPECIFIC ANTISERA AND ANTIGEN STRAINS OF E. COLI

743
PENNSYLVANIA STATE UNIVERSITY
DR. ARNULF MUAN, DIRECTOR
EARTH AND MINERAL SCIENCES EXPERIMENT STATION
415 WALKER
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7659

N.C.E.S. CODES
  40.040000
  40.060000
  45.070000
S.I.C. CODES
  99
KEYWORDS
  MINERAL SCIENCES
  EARTH SCIENCES
PERSONNEL
  135 RESEARCH PROFESSIONALS
  36 SUPPORT PROFESSIONALS
  413 TECHNICAL STAFF
  60 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $12000000.00
  SOURCES: NSF, DOE, DOD, DI, DER, PSEF, AISI, EPRI, NUMEROUS INDUSTRIAL COMPANIES
PAST FUNDING
  AVERAGE AMOUNT = $11000000.00
  SOURCES: NSF, DOE, DOD, DI, DER, PSEF, AISI, EPRI, NUMEROUS INDUSTRIAL COMPANIES

FACILITIES: MINERAL CONSTITUTION LABORATORY; COAL RESEARCH LABORATORY; ROCK MECHANICS LABORATORY; WEATHER OBSERVATORY

BUILDINGS: COMBUSTION LABORATORY

COLLECTIONS: EARTH AND MINERAL SCIENCES LIBRARY; EARTH AND MINERAL SCIENCES ART GALLERY

COOPERATIVE ARRANGEMENTS: COAL RESEARCH COOPERATIVE PROGRAM (WITH INDUSTRY), METALLURGY COOPERATIVE PROGRAM (WITH INDUSTRY)

OUTPUTS: AN AVERAGE OF 300 PUBLICATIONS IN REFEREED PROFESSIONAL JOURNALS PER YEAR

744
PENNSYLVANIA STATE UNIVERSITY
DR. JOSEPH JORDAN, DIRECTOR
ELECTROCHEMISTRY AND ENTHALPIMETRIC ANALYSIS LABORATORY
428B DAVEY LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-2022

N.C.E.S. CODES
  40.050200
  40.050600
S.I.C. CODES
  99
KEYWORDS
  ELECTROCHEMISTRY
  THERMOCHEMISTRY
  ANALYSIS METHODS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  8 TECHNICAL STAFF
  1 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT $100000.00
  SOURCES: DOE
PAST FUNDING
  AVERAGE AMOUNT = $120000.00
  SOURCES: DOE, SERI

FACILITIES: STATE-OF-THE-ART POLAROGRAPHS; UNIQUE TITRATION CALORIMETRY EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ANALYSIS OF SYNFUEL PROCESS STREAM SAMPLES FROM INDUSTRIAL AND U.S. GOVERNMENT SOURCES; INTERLABORATORY COMPARATIVE STUDIES WITH LOUIS PASTEUR UNIVERSITY, FRANCE

OUTPUTS: NUMEROUS PUBLICATIONS

745
PENNSYLVANIA STATE UNIVERSITY
DR. B. FENNER, DIRECTOR
ELECTRONIC MUSIC LABORATORY
231 MUSIC BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-0431

N.C.E.S. CODES
  0
S.I.C. CODES
  99
KEYWORDS
  ELECTRONIC MUSIC
  DIGITAL SYNTHESIS
  HEARING PROBLEMS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $19827.00
  SOURCES: PENNSYLVANIA STATE UNIVERSITY
PAST FUNDING
  AVERAGE AMOUNT = $18423.00
  SOURCES: PENNSYLVANIA STATE UNIVERSITY

FACILITIES: ANALOG AND DIGITAL MUSIC SYNTHESIS AND RECORDING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: CREATIVE PROJECTS RESULTING IN MUSIC FOR FILMS, VIDEO AND DANCE

746
PENNSYLVANIA STATE UNIVERSITY
DR. WILLIAM S. ADAMS, DIRECTOR
ENGINEERING COMPUTER LABORATORY
ELECTRICAL ENGINEERING WEST 3
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1444

N.C.E.S. CODES
  14.900000
  14.100000
  11.010000
S.I.C. CODES
  381
  357
KEYWORDS
  COMPUTING
  INSTRUMENTATION
  HARDWARE AND SOFTWARE DEVELOPMENT
PERSONNEL
  1 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $215972.00
  SOURCES: PENNSYLVANIA STATE UNIVERSITY
PAST FUNDING
  AVERAGE AMOUNT = $189601.00
  SOURCES: PENNSYLVANIA STATE UNIVERSITY

FACILITIES: PDP-10 AND VAX11/780 DIGITAL COMPUTERS, 1200 SCIENTIFIC SOFTWARE PACKAGES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

747
PENNSYLVANIA STATE UNIVERSITY
DR. C.W. PITTS, DIRECTOR
ENTOMOLOGY
106 PATTERSON BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1895

N.C.E.S. CODES
  26.070200

2.040800
2.029900
S.I.C. CODES
19
72
287
KEYWORDS
IPM
PESTICIDES
POLLUTION
PERSONNEL
17 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
19 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1200000.00
SOURCES: CSRS, NAPIAP, PENNSYLVANIA - EXT. IPM, USDS, COMMODITY GROUPS, INDUSTRY
PAST FUNDING
AVERAGE AMOUNT = $1137010.00
SOURCES: CSRS, USFS, INDUSTRY - EXT. IPM, NAPIAP, COMMODITY GROUPS, PENNSYLVANIA

FACILITIES: GOOD ANALYTICAL LABORATORY (PESTICIDE RESEARCH LAB)

BUILDINGS: GYPSY MOTH RESEARCH CENTER; TURF RUN-OFF PLOTS

COLLECTIONS: MAINTAINS AN EXCELLENT LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: EFFICACY REPORTS FOR PESTICIDES ON VARIOUS CROPS AND ANIMALS; REPORTS TO GRANTING AGENCIES; INSECT NEWSLETTERS; RESIDUE ANALYSIS (POLLUTION)

748
PENNSYLVANIA STATE UNIVERSITY
DR. JOHN B. NESBITT, DIRECTOR
ENVIRONMENTAL ENGINEERING LABORATORY
212 SACKETT BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1226

N.C.E.S. CODES
14.140000
26.050000
S.I.C. CODES
891
KEYWORDS
LAND POLLUTION
WATER POLLUTION
PERSONNEL
5 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $117000.00
SOURCES: NSF
PAST FUNDING
AVERAGE AMOUNT = $108000.00
SOURCES: NSF, ARC

FACILITIES: ENVIRONMENTAL CHEMISTRY AND MICROBIOLOGICAL LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL PUBLICATIONS

749
PENNSYLVANIA STATE UNIVERSITY
DR. CARL W. HAESLER, DIRECTOR
ERIE COUNTY FIELD RESEARCH LABORATORY
622 NORTH CEMETERY ROAD
NORTH EAST, PA 16428
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-725-4601

N.C.E.S. CODES
2.403000
2.408000
2.030600
S.I.C. CODES
17
208
KEYWORDS
GRAPE
VITICULTURE
WINE
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: 43 ACRES OF LAND, 25 OF WHICH ARE A VINEYARD

BUILDINGS: LABORATORIES, GREENHOUSE, MACHINERY EQUIPMENT GARAGE, PESTICIDE STORAGE FACILITY

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL AGRICULTURE EXTENSION MEETING REPORTS AND ARTICLES IN SCIENTIFIC JOURNALS

750
PENNSYLVANIA STATE UNIVERSITY
DR. T.T. TSONG, DIRECTOR
FIELD EMISSION MICROSCOPY LABORATORY
104 DAVEY LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-2813

N.C.E.S. CODES
40.080800
40.070100
40.050600
S.I.C. CODES
381
KEYWORDS
ATOM-PROBE FIM
FIELD ION MICROSCOPY
MICROANALYSIS OF MATERIALS
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: NSF, DOE
PAST FUNDING
AVERAGE AMOUNT = $150000.00
SOURCES: NSF, DOE

FACILITIES: TIME FOCUSED ATOM-PROBE, PULSED-LASER ATOM-PROBE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: DEVELOPED THE FIRST HIGH RESOLUTION PULSED-LASER ATOM-PROBE FIELD ION MICROSCOPE

751
PENNSYLVANIA STATE UNIVERSITY
DR. P.G. KEENEY, DIRECTOR
FOOD SCIENCE
BORLAND LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-2950

N.C.E.S. CODES
2.030100
2.030600
S.I.C. CODES
202
203
206
KEYWORDS
QUALITY MAINTENANCE
NUTRITION
FOOD MICROBIOLOGY
PERSONNEL
13 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $572846.00
SOURCES: USDA, INDUSTRY GRANTS, PENNSYLVANIA ALLOTMENTS AND GRANTS
PAST FUNDING
AVERAGE AMOUNT = $570000.00
SOURCES: USDA, INDUSTRY GRANTS, PENNSYLVANIA ALLOTMENTS AND GRANTS

FACILITIES: PILOT PLANTS FOR PROCESSING VARIETY FOOD PRODUCTS

BUILDINGS: COMMERCIAL CREAMERY OPERATION FOR LARGER SCALE PROCESSING OF DAIRY PRODUCTS

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL PUBLICATIONS IN SCIENTIFIC AND TECHNICAL JOURNALS

752
PENNSYLVANIA STATE UNIVERSITY
DR. K.D. HICKEY, DIRECTOR
FRUIT RESEARCH LABORATORY
N/A
BIGLERVILLE, PA 17307
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-677-6116

N.C.E.S. CODES
1.030400
2.040300
2.040600
S.I.C. CODES
17
287
KEYWORDS
TREE FRUIT PRODUCTION
PEST MANAGEMENT
PERSONNEL
4 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $470000.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY , CONSORTIUM FOR INTEGRATED POST MANAGEMENT, CHEMICAL COMPANIES,

PENNSYLVANIA DEPARTMENT OF AGRICULTURE,
PENNSYLVANIA HORTICULTURE ASSOCIATION,
NE PESTICIDE IMPORT FUNDS, USDAARS
PAST FUNDING
AVERAGE AMOUNT = $470000.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY ,
CONSORTIUM FOR INTEGRATED POST
MANAGEMENT, CHEMICAL COMPANIES,
PENNSYLVANIA DEPARTMENT OF AGRICULTURE,
PENNSYLVANIA HORTICULTURE ASSOCIATION,
NE PESTICIDE IMPORT FUNDS, USDAARS

FACILITIES: EQUIPMENT NECESSARY FOR ORCHARD CARE; SPECIALTY LABORATORIES IN VIROLOGY, NEMATOLOGY, ENTOMOLOGY, AND PLANT PATHOLOGY

BUILDINGS: SIX GREENHOUSE UNITS WITH HEADHOUSE MACHINE STORAGE

COLLECTIONS: MAINTAINS A LIBRARY OF SEVERAL THOUSAND BOOKS, BULLETINS AND SEPARATES PRIMARILY ON FRUIT PROBLEMS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH PUBLISHED IN SCIENTIFIC JOURNALS AND GROWER PUBLICATIONS

753
PENNSYLVANIA STATE UNIVERSITY
DR. PAUL E. NELSON, DIRECTOR
FUSARIUM RESEARCH CENTER
211 BUCKHOUT LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-9773

N.C.E.S. CODES
2.040600
2.049900
S.I.C. CODES
899
KEYWORDS
FUSARIUM IDENTIFICATION
MYCOTOXIN
FUSARIUM - BIOLOGY
PERSONNEL
3 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $103800.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY AND THE PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION
PAST FUNDING
AVERAGE AMOUNT = $127390.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY AND THE PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION

BUILDINGS: N/A

COLLECTIONS: GENERAL COLLECTION OF FUSARIUN SPECIES (6000) AND SPECIAL COLLECTION OF TOXIGENIC FUSARUIM SPECIES (350)

COOPERATIVE ARRANGEMENTS: UNIVERSITY OF SYDNEY, AUSTRALIA; SOUTH AFRICAN MEDICAL RESEARCH COUNCIL

OUTPUTS: RESEARCH REPORTS AND PAPERS

754
PENNSYLVANIA STATE UNIVERSITY
DR. RODGER W. GRANLUND, DIRECTOR
HEALTH PHYSICS OFFICE
228 ACADEMICS PROJECTS BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-3459

N.C.E.S. CODES
14.140000
18.190000
S.I.C. CODES
899
KEYWORDS
RADIATION SAFETY
HEALTH PHYSICS
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $139000.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $128000.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY

FACILITIES: RADIATION MEASURING INSTRUMENTS AND CALIBRATION FACILITIES FOR GAMMA, X-RAY, AND NEUTRON RADIATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

755
PENNSYLVANIA STATE UNIVERSITY
DR. GORDON GARMIRE, DIRECTOR

HIGH ENERGY ASTRONOMY LABORATORY
525 DAVEY LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-0418

N.C.E.S. CODES
40.020000
40.030000
S.I.C. CODES
381
382
862
KEYWORDS
X-RAY ASTRONOMY
SOUNDING ROCKETS
ASTRONOMY
PERSONNEL
9 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $357471.00
SOURCES: NASA
PAST FUNDING
AVERAGE AMOUNT = $302481.00
SOURCES: NASA

FACILITIES: 2 LARGE VACUUM CHAMBERS PLUS SMALLER PUMPING SYSTEMS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF 500 VOLUMES ON ASTRONOMY

COOPERATIVE ARRANGEMENTS: JPL-MIT CCD DETECTOR DEVELOPMENT

OUTPUTS: OVER 100 RESEARCH REPORTS AND SCIENTIFIC PAPERS; DEVELOPED CCD DETECTORS FOR X-RAY OBSERVATIONS

756
PENNSYLVANIA STATE UNIVERSITY
DR. FRANCIS H. WITHAM, DIRECTOR
HORTICULTURE
103 TYSON BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-2571

N.C.E.S. CODES
1.060100
1.060400
2.040500
S.I.C. CODES
18
17
16
KEYWORDS
PLANT BREEDING
VEGETABLES, FRUITS AND FLOWERS
CONTROLLED ENVIRONMENTS
PERSONNEL
21 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
24 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $869400.00
PAST FUNDING
AVERAGE AMOUNT = $869400.00

FACILITIES: RESEARCH FARM, RESEARCH AND PLANT ANALYSIS LABORATORIES

BUILDINGS: CONTROLLED ATMOSPHERE STORAGE, GROWTH CHAMBERS, GREENHOUSES

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: AGRICULTURAL ENGINEERING, ERIE FIELD RESEARCH LAB, DEPARTMENT OF PLANT PATHOLOGY, DEPARTMENT OF AGRONOMY, FRUIT RESEARCH LAB IN BIGLERVILLE

OUTPUTS: ANNUAL REPORTS TO PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION AND TO FUNDING COMMODITY GROUPS; SUPERVISION OF YEARLY CONFERENCES FOR PENNSYLVANIA NURSERYMEN'S ASSOCIATION, STATE HORTICULTURE ASSOCIATION, AND THE VEGETABLE GROWERS ASSOCIATION

757
PENNSYLVANIA STATE UNIVERSITY
DR. C.S. CARD, DIRECTOR
IMMUNOLOGY RESEARCH PROGRAM, VETERINARY SCIENCE
115 HENNING BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7696

N.C.E.S. CODES
2.020300
18.100900
S.I.C. CODES
74
KEYWORDS
ONTOGENY
IMMUNE CELLS
ALVEOLAR MACROPHAGES
PERSONNEL
2 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
1 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT = $130000.00
PAST FUNDING
  AVERAGE AMOUNT = $186000.00

FACILITIES: INHALATION CHAMBERS, BIOCHEMISTRY LABORATORIES, IMMUNOLOGY LABORATORIES, LABORATORY ANIMAL HOLDING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: CENTER FOR AIR ENVIRONMENT STUDIES

OUTPUTS: SEVERAL BASIC RESEARCH PUBLICATIONS AND CONTRACT REPORTS TO COMMERCIAL COMPANIES CONCERNING RESEARCH ON INHALED PARTICLE MATTER

758
PENNSYLVANIA STATE UNIVERSITY
DR. JAY BELSKY, DIRECTOR
INFANT AND FAMILY DEVELOPMENT
S-22B HUMAN DEVELOPMENT
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-0267

N.C.E.S. CODES
  42.030000
  42.040000
  42.070000
S.I.C. CODES
  99
KEYWORDS
  LONGITUDINAL DEVELOPMENT
  PARENTING
  SOCIAL NETWORKS
PERSONNEL
  11 RESEARCH PROFESSIONALS
  8 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $194674.00
  SOURCES: NATIONAL SCIENCE FOUNDATION, NATIONAL INSTITUTE FOR CHILD HEALTH AND HUMAN DEVELOPMENT, HHS OFFICE OF MATERNAL AND CHILD HEALTH, MARCH OF DIMES
PAST FUNDING
  AVERAGE AMOUNT = $109337.00
  SOURCES: NATIONAL SCIENCE FOUNDATION, NATIONAL INSTITUTE FOR CHILD HEALTH AND HUMAN DEVELOPMENT, HHS OFFICE OF MATERNAL AND CHILD HEALTH, MARCH OF DIMES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: COOPERATIVE ARRANGEMENTS WITH VARIOUS HOSPITALS

OUTPUTS: SCIENTIFIC PAPERS DERIVATIVE OF THE MAJOR RESEARCH FOCUS

759
PENNSYLVANIA STATE UNIVERSITY
DR. IRWIN FELLER, DIRECTOR
INSTITUTE FOR POLICY RESEARCH AND EVALUATION
N253 BURROWES BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-9561

N.C.E.S. CODES
  44.050000
  45.060100
  45.050100
S.I.C. CODES
  94
  96
  92
KEYWORDS
  POLICY RESEARCH
  TECHNOLOGY TRANSFER
  POPULATION
PERSONNEL
  26 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  16 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1045609.00
  SOURCES: STATE FUNDS, NSF,USDA,USDC, PRIVATE FUNDS, PHS, USDJ, ONR
PAST FUNDING
  AVERAGE AMOUNT = $711084.00
  SOURCES: STATE FUNDS, NSF, USDA, USDJ, PRIVATE FUNDS, PHS, ONR

FACILITIES: 3 TELERAY CRTS; AJ PRINTER, IBM DISPLAYWRITER SYSTEM

BUILDINGS: N/A

COLLECTIONS: POPULATION ISSUES RESEARCH CENTER LIBRARY, FINAL REPORTS OF RESEARCH PROJECTS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER FIVE ARTICLES PUBLISHED IN PROFESSIONAL JOURNALS

760
PENNSYLVANIA STATE UNIVERSITY
DR. STANLEY WEINTRAUB, DIRECTOR
INSTITUTE FOR THE ARTS AND HUMANISTICS STUDIES
IHLSENG BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-0495

N.C.E.S. CODES
30.000000
S.I.C. CODES
899
KEYWORDS
HUMANITIES
CREATIVE ARTS
ARTISTIC PERFORMANCE
PERSONNEL
2 RESEARCH PROFESSIONALS
14 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

761
PENNSYLVANIA STATE UNIVERSITY
DR. GERALD E. MCCLEARN, DIRECTOR
INSTITUTE FOR THE STUDY OF HUMAN DEVELOPMENT
S-211 HUMAN DEVELOPMENT
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1717

N.C.E.S. CODES
26.070300
26.070500
42.030000
S.I.C. CODES
99
KEYWORDS
LIFE SPAN DEVELOPMENT
DRUGS, TOXINS AND SOCIETY
MULTIDISCIPLINARY RESEARCH
PERSONNEL
9 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $83653.00
SOURCES: NATIONAL INSTITUTE ON AGING

BUILDINGS: AMY GARDNER HOUSE

COLLECTIONS: MAINTAINS A GERONTOLOGY RESOURCE CENTER OF 3000 VOLUMES AND 19 JOURNAL SUBSCRIPTIONS

COOPERATIVE ARRANGEMENTS: COLLABORATIVE RESEARCH ARRANGEMENTS ARE IN EFFECT WITH CORNWALL MANOR, PA, AND THE KAROLINSKA INSTITUTE, STOLKHOLM, SWEDEN

OUTPUTS: NUMEROUS PROFESSIONAL JOURNAL ARTICLES

762
PENNSYLVANIA STATE UNIVERSITY
DR. ROBERT LAPORTE, DIRECTOR
INSTITUTE OF PUBLIC ADMINISTRATION
205 BURROWES BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-2536

N.C.E.S. CODES
44.040000
45.120000
44.030000
S.I.C. CODES
919
930
911
KEYWORDS
PUBLIC SERVICE
PUBLIC ADMINISTRATION IMPROVEMENT
STATE AND LOCAL RESEARCH AND CONSULTING
PERSONNEL
7 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $49578.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $50259.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SMALL REFERENCE LIBRARY ON PUBLIC ADMINISTRATION AND A DATA ARCHIVE ON PREVIOUS RESEARCH PROJECTS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS REPORTS

763
PENNSYLVANIA STATE UNIVERSITY
DR. J.S. NISBET, DIRECTOR
IONOSPHERE RESEARCH LABORATORY
N/A
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-6337

N.C.E.S. CODES
40.040000
40.090000
S.I.C. CODES
966
KEYWORDS
SPACE
IONOSPHERE
UPPER ATMOSPHERE
PERSONNEL
19 RESEARCH PROFESSIONALS
56 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $750000.00
SOURCES: NASA, NRL, NSF, OMR, U.S. ARMY
PAST FUNDING
AVERAGE AMOUNT = $700000.00
SOURCES: NASA, NRL, NSF, OMR, U.S. ARMY

FACILITIES: COMPUTING CENTER, FACILITIES FOR CONSTRUCTING ROCKET AND GROUND EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF 10000 VOLUMES ON AEROSPACE SCIENCE, CHEMISTRY, ELECTRICAL ENGINEERING, MATHEMATICS, AND PHYSICS

COOPERATIVE ARRANGEMENTS: WITH G.S.F.C.; ARECIBO OBSERVATORY

OUTPUTS: OVER 50 REPORTS AND SCIENTIFIC PAPERS PUBLISHED

764
PENNSYLVANIA STATE UNIVERSITY
DR. JOHN S. NISBET, DIRECTOR
IONOSPHERE RESEARCH LABORATORY
318 ELECTRICAL ENGINEERING EAST
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-6337

N.C.E.S. CODES
40.040000
40.089900
14.100000
S.I.C. CODES
99
KEYWORDS
IONOSPHERIC RESEARCH
PLASMA INSTABILITIES
IONOSPHERIC MODELS
PERSONNEL
10 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $900000.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY, NASA, U.S. DEPARTMENT OF NAVY, NSF
PAST FUNDING
AVERAGE AMOUNT = $885339.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY, NASA, U.S. DEPARTMENT OF NAVY, NSF

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF CURRENT PERIODICALS, IMPORTANT BOOKS, THESES, AND REPORTS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL ARTICLES

765
PENNSYLVANIA STATE UNIVERSITY
DR. WALTER SAPANSKI, DIRECTOR
LABORATORY ANIMAL RESOURCES
101 CENTRALIZED BIOLOGICAL LAB
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-3429

N.C.E.S. CODES
2.020100
26.069900
S.I.C. CODES
75
27
KEYWORDS
LABORATORY ANIMALS
PATHOGEN FREE COLONIES
BIOMEDICAL RESEARCH
PERSONNEL
3 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
4 SUPPORT STAFF
PAST FUNDING
AVERAGE AMOUNT = $100000.00

BUILDINGS: 150 ANIMAL ROOMS LOCATED IN 11 BUILDINGS, ALL ENVIRONMENTALLY CONTROLLED FOR TEMPERATURE, HUMIDITY AND LIGHT

COLLECTIONS: MAINTAINS A LIBRARY OF SEVERAL HUNDRED BOOKS AND JOURNALS ON LABORATORY ANIMAL SCIENCE, PATHOLOGY, ANATOMY, AND VETERINARY SCIENCE

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: THE UNIT PERFORMS ESSENTIALLY AS A SERVICE GROUP ADVISING FACULTY AND MAINTAINING RESEARCH AND CLASS LABORATORY ANIMALS; DEVELOPED AND DEMONSTRATED SURGICAL AND OTHER BIO TECHNIQUES TO A CROSS SECTION OF UNIVERSITY STAFF AND STUDENTS

766
PENNSYLVANIA STATE UNIVERSITY
DR. FREDERICK FERGUSON, DIRECTOR
LABORATORY ANIMAL RESOURCES PROGRAM
CENTRALIZED BIOLOGICAL LAB BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1496

N.C.E.S. CODES
  18.240000
S.I.C. CODES
  27
KEYWORDS
  LABORATORY ANIMAL DISEASE
  IMMUNOGENETICS
  LABORATORY ANIMAL CARE
PERSONNEL
  4 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  10 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $26000.00
  SOURCES: USDA

FACILITIES: LARGE, CENTRALIZED, RESEARCH ANIMAL CARE OPERATION

BUILDINGS: THREE LARGE FACILITIES PLUS SEVERAL SMALLER ONES

COLLECTIONS: COLLECTION OF PUBLICATIONS ON LABORATORY ANIMAL SCIENCE

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: TECHNICAL MANUALS, CONSULTATION

767
PENNSYLVANIA STATE UNIVERSITY
DR. K. WARNER SCHAIE, DIRECTOR
LABORATORY FOR ADULT COGNITIVE DEVELOPMENT
S-108 HUMAN DEVELOPMENT
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-0241

N.C.E.S. CODES
  42.030000
  42.070000
  42.080000
S.I.C. CODES
  99
KEYWORDS
  COGNITIVE DEVELOPMENT
  PSYCHOMETRIC TESTS
  REMEDIAL TRAINING
PERSONNEL
  5 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $237321.00
  SOURCES: NATIONAL INSTITUTE ON AGING
PAST FUNDING
  AVERAGE AMOUNT = $122313.00
  SOURCES: NATIONAL INSTITUTE ON AGING

BUILDINGS: N/A

COLLECTIONS: MAINTAINS THE GERONTOLOGY RESOURCE CENTER

COOPERATIVE ARRANGEMENTS: UNIVERSITY OF CALIFORNIA, ISHD, BERKLEY, CA; GROUP HEALTH, SEATTLE, WA

OUTPUTS: PROFESSIONAL JOURNAL ARTICLES, TRAINING MATERIALS, ADULT ABILITY TESTS, INTERVIEW INSTRUMENTS

768
PENNSYLVANIA STATE UNIVERSITY
DR. DON LEON, DIRECTOR
LABORATORY FOR ENVIRONMENTAL DESIGN AND PLANNING
111 ARTS BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-2453

N.C.E.S. CODES
  4.010000
  4.020000
  4.060000
S.I.C. CODES
  891
  892
  899
KEYWORDS
  PHYSICAL DESIGN SOLUTIONS
  ANALYSIS AND RECOMMENDATIONS

DESIGN RESEARCH
PERSONNEL
30 RESEARCH PROFESSIONALS
9 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $6106.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $6200.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY

FACILITIES: TELERAY TERMINAL, 4662 TEKTRONIX PLOTTER, APPLE PLUS COMPUTER

BUILDINGS: N/A

COLLECTIONS: ARTS AND ARCHITECTURE READING ROOM

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL PUBLICATIONS, CONSULTING

769
PENNSYLVANIA STATE UNIVERSITY
DR. ELSWORTH R. BUSKIRK, DIRECTOR
LABORATORY FOR HUMAN PERFORMANCE
NOLL LABORATORY BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-345[illegible]

N.C.E.S. CODES
18.020500
18.102200
26.000000
S.I.C. CODES
809
943
951
KEYWORDS
APPLIED PHYSIOLOGY
ERGONOMICS
PERSONNEL PROTECTION
PERSONNEL
12 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $220000.00
SOURCES: NIH, BUREAU OF MINES, EPRI, PENNSYLVANIA GAME AND FISH COMMISSION, PRIVATE SOURCES
PAST FUNDING
AVERAGE AMOUNT = $200000.00
SOURCES: NIH, BUREAU OF MINES, PENNSYLVANIA GAME AND AND FISH COMMISSION, PRIVATE

SOURCES

FACILITIES: ENVIRONMENTAL CHAMBERS (4)

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY ON APPLIED PHYSIOLOGY AND A LARGE REPRINT COLLECTION

COOPERATIVE ARRANGEMENTS: INTRA-INSTITUTIONAL WITH BIOENGINEERING, NUTRITION, BIOMECHANICS AND PSYCHOLOGY

OUTPUTS: NUMEROUS PROFESSIONAL ARTICLES

770
PENNSYLVANIA STATE UNIVERSITY
DR. E.R. BUSKIRK, DIRECTOR
LABORATORY FOR HUMAN PERFORMANCE RESEARCH
119 NOLL LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-3453

N.C.E.S. CODES
18.020500
18.060000
43.000000
S.I.C. CODES
809
943
951
KEYWORDS
APPLIED PHYSIOLOGY
ERGONOMICS
PHYSICAL FITNESS
PERSONNEL
6 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $225000.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY; GRANTS; CONTRACTS AND GIFTS; NIH; BUREAU OF MINES; EPRI
PAST FUNDING
AVERAGE AMOUNT = $320000.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY; GRANTS; CONTRACTS AND GIFTS

FACILITIES: SEVERAL ENVIRONMENTAL CHAMBERS; METABOLIC LIVE-IN UNIT; ERGONIMICS LABORATORY; BIOCHEMISTRY LABORATORY

BUILDINGS: NOLL LABORATORY

COLLECTIONS: MAINTAINS A SMALL WORKING LIBRARY AND LARGE REPRINT FILE ON HUMAN APPLIED PHYSIOLOGY

COOPERATIVE ARRANGEMENTS: WITH OTHER UNIVERSITY DEPARTMENTS AND ARRANGEMENTS WITH THE ELECTRICAL POWER RESEARCH INSTITUTE AND THE PENNSYLVANIA GAME COMMISSION

OUTPUTS: SEVERAL ARTICLES IN OPEN SCIENTIFIC LITERATURE

771
PENNSYLVANIA STATE UNIVERSITY
DR. INYONG HAM, DIRECTOR
MACHINABILITY LABORATORY
ENGINEERING UNIT D
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7601

N.C.E.S. CODES
  14.170000
  14.190000
S.I.C. CODES
  354
  381
KEYWORDS
  MACHINABILITY
  TOOL WEAR
  CUTTING TOOL MATERIALS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: 30 HP. MACHINABILITY TEST LATHE WITH TOOL FACE DYNAMONOMETERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

772
PENNSYLVANIA STATE UNIVERSITY
PROFESSOR C.S. CARD, DIRECTOR
MASTITIS RESEARCH CENTER, VETERINARY SCIENCE
115 HENNING BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7696

N.C.E.S. CODES
  2.020300
S.I.C. CODES
  74
  24
KEYWORDS
  BOVINE MASTITIS
  IMMUNOLOGY
  TREATMENT
PERSONNEL
  2 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $117500.00
  SOURCES: USDA/CSRS PL 89-106 SPECIAL GRANT, DEPARTMENTAL ALLOCATION, HATCH, COMMONWEALTH OF PENNSYLVANIA
PAST FUNDING
  AVERAGE AMOUNT = $70000.00
  SOURCES: USDA/CSRS PL 89-106 SPECIAL GRANT, DEPARTMENTAL ALLOCATION, HATCH, COMMONWEALTH OF PENNSYLVANIA

FACILITIES: IMMUNOLOGICAL, MICROBIOLOGICAL AND OTHER BACTERIAL CULTURED INSTRUMENTATION; TWENTY DAIRY COWS

BUILDINGS: MASTITIS RESEARCH BARN

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL BASIC AND APPLIED RESEARCH PUBLICATIONS, DIAGNOSTIC FINDINGS FOR INDIVIDUAL FARMS, APPLIED RESEARCH FINDINGS FOR COMMERCIAL COMPANIES

773
PENNSYLVANIA STATE UNIVERSITY
DR. L. ERIC CROSS, DIRECTOR
MATERIALS RESEARCH LABORATORY
MATERIALS RESEARCH LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-3421

N.C.E.S. CODES
  14.180000
  40.080800
  40.060300
S.I.C. CODES
  892
KEYWORDS
  MATERIALS PREPARATION
  MATERIALS CHARACTERIZATION
  PROPERTY STUDIES
PERSONNEL
  40 RESEARCH PROFESSIONALS
  90 SUPPORT PROFESSIONALS
  10 TECHNICAL STAFF
  9 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT = $3755808.00
  SOURCES: COMMONWEALTH OF PENNSYLVANIA, INDUSTRY, NAVY, ARMY, AIR FORCE, NASA, DOE, NSF, USDI
PAST FUNDING
  AVERAGE AMOUNT = $3908347.00
  SOURCES: COMMONWEALTH OF PENNSYLVANIA, INDUSTRY, ARMY, NAVY, AIR FORCE, NASA, DOE, NSF, USDI

FACILITIES: MAINTAINS FACILITIES FOR SPECIAL HIGH PRESSURE, HIGH TEMPERATURE SYNTHESIS AND INSTRUMENTAL ANALYSIS OF SOLIDS

BUILDINGS: N/A

COLLECTIONS: A READING ROOM WITH JOURNALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NEW STABLE RADIOACTIVE WASTFORMS (DOE); NEW WASTE ISOLATION TECHNIQUES (BATTELLE); COMPOSITE TRANSDUCERS (ONR); ELECTROSTRICTIVE MICROPOSITIONERS (DARPA)

774
PENNSYLVANIA STATE UNIVERSITY
DR. EDWIN GAFFNEY, DIRECTOR
MICROBIOLOGY AND CELL BIOLOGY
S-101 FREAR BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-2093

N.C.E.S. CODES
  26.049900
  18.109900
  18.100900
S.I.C. CODES
  283
KEYWORDS
  CELLS
  CANCER
  DRUGS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $74005.00
  SOURCES: PUBLIC HEALTH SERVICE, NATIONAL INSTITUTE OF HEALTH
PAST FUNDING
  AVERAGE AMOUNT = $78894.00
  SOURCES: PUBLIC HEALTH SERVICE, NATIONAL INSTITUTE OF HEALTH

FACILITIES: CELL CULTURE AND BIOCHEMISTRY LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

775
PENNSYLVANIA STATE UNIVERSITY
DR. R.W. BERNLOHR, DIRECTOR
MICROBIOLOGY PROGRAM
108 ALTHOUSE LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-3914

N.C.E.S. CODES
  26.050000
  26.069900
  18.020300
S.I.C. CODES
  809
  807
KEYWORDS
  BASIC RESEARCH
  BIOTECHNOLOGY
PERSONNEL
  12 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  40 TECHNICAL STAFF
  12 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $900000.00
  SOURCES: PHS, DEPARTMENT OF THE ARMY, PRIVATE COMPANIES
PAST FUNDING
  AVERAGE AMOUNT = $800000.00
  SOURCES: PHS, DEPARTMENT OF THE ARMY, PRIVATE COMPANIES

FACILITIES: ELECTRON MICROSCOPE FACILITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: VARIOUS REPORTS

776
PENNSYLVANIA STATE UNIVERSITY
DR. ARTHUR W. ROSE, DIRECTOR
MINERAL CONSERVATION SECTION

DEIKE BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7261

N.C.E.S. CODES
  40.060000
  14.210000
  14.150000
S.I.C. CODES
  99
KEYWORDS
  WATER RESOURCES
  MINERAL RESOURCES
  MINERAL ECONOMICS
PERSONNEL
  5 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  12 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $295000.00
  SOURCES: PENNSYLVANIA STATE UNIVERSITY, U.S. DEPARTMENT OF THE INTERIOR, PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESEARCH, NATIONAL SCIENCE FOUNDATION ,U.S. DEPARTMENT OF AGRICULTURE
PAST FUNDING
  AVERAGE AMOUNT = $310000.00
  SOURCES: PENNSYLVANIA STATE UNIVERSITY, NATIONAL SCIENCE FOUNDATION, PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESEARCH, U.S. DEPARTMENT OF AGRICULTURE, U.S. DEPARTMENT OF INTERIOR

FACILITIES: GROUND WATER TESTING AND MONITORING EQUIPMENT, WATER AND ROCK ANALYSIS LABS

BUILDINGS: N/A

COLLECTIONS: TOPOGRAPHIC AND GEOLOGIC MAPS OF PENNSYLVANIA, 6000 STREAM SEDIMENTS FROM EASTERN PENNSYLVANIA

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSSIONAL JOURNAL ARTICLES

777
PENNSYLVANIA STATE UNIVERSITY
PROFESSOR NORMAN H. SUHR, DIRECTOR
MINERAL CONSTITUTION LABORATORIES
N/A
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-5672

N.C.E.S. CODES
  40.050200
S.I.C. CODES
  892
  381
KEYWORDS
  MINERALS
  MINERALOGY
  CHEMISTRY
PERSONNEL
  2 RESEARCH PROFESSIONALS
  7 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $272823.00
  SOURCES: PENNSYLVANIA STATE UNIVERSITY AUXILLIARY ENTERPRISE INCOME
PAST FUNDING
  AVERAGE AMOUNT = $254088.00
  SOURCES: PENNSYLVANIA STATE UNIVERSITY AUXILLARY ENTERPRISE INCOME

FACILITIES: ANALYTICAL INSTRUMENTATION INCLUDING SCANNING AND TRANSMISSION ELECTRON MICROSCOPES, X-RAY DIFFRACTOMETER, EMISSION SPECTROGRAPH AND SPECTROMETER, ELECTRON MICROPROBE, ATOMIC ABSORPTION SPECTROPHOTOMETERS AND A COMPLETE CHEMISTRY LABORATORY FOR INORGANIC ANALYSIS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH THE NATIONAL BUREAU OF STANDARDS TO PRODUCE TWO ROCK STANDARDS
AND SEVERAL GLASS STANDARDS FOR THE ELECTRON MICROPROBE

OUTPUTS: A PROFESSIONAL JOURNAL ARTICLE AND A COMPREHENSIVE SCHEME FOR THE CHEMICAL AND MINERALOGICAL ANALYSIS OF COALS

778
PENNSYLVANIA STATE UNIVERSITY
R.W. DR. BERNLOHR, DIRECTOR
MOLECULAR & CELL BIOLOGY PROGRAM
108 ALTHOUSE LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-3914

N.C.E.S. CODES
  26.040000
  26.069900
  26.061100
S.I.C. CODES
  809
KEYWORDS
  BASIC RESEARCH
  BIOTECHNOLOGY

RADIOBIOLOGY
PERSONNEL
10 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
30 TECHNICAL STAFF
12 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1200000.00
SOURCES: PHS, AMERICAN CANCER SOCIETY, DOE, PRIVATE COMPANIES
PAST FUNDING
AVERAGE AMOUNT = $1100000.00
SOURCES: PHS, AMERICAN CANCER SOCIETY, DOE, PRIVATE COMPANIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: VARIOUS REPORTS; ONE PATENT ON DRUG DELIVERY SYSTEM

779
PENNSYLVANIA STATE UNIVERSITY
DR. GERHARD REETHOF, DIRECTOR
NOISE CONTROL LABORATORY
30 HAMMOND BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-2761

N.C.E.S. CODES
14.190000
30.030000
S.I.C. CODES
356
379
KEYWORDS
ACOUSTICS
ACOUSTICS AGGLOMERATION
INDUSTRIAL NOISE
PERSONNEL
2 RESEARCH PROFESSIONALS
13 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00
SOURCES: INDUSTRY, NASA, DOE, USDA, U.S. ARMY
PAST FUNDING
AVERAGE AMOUNT = $250000.00
SOURCES: INDUSTRY, NASA, DOE, USDA, U.S. ARMY

FACILITIES: ANACHOIC CHAMBER, REVERBERNAT ROOM, EXTENSIVE COMPUTING AND SPECTRAL ANALYSIS EQUIPMENT, ACOUSTIC DATA ACQUISITION AND PROCESSING, HIGH INTENSITY ACOUSTIC SOURCES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH SEVERAL VALVE COMPANIES

OUTPUTS: TWO PATENTS FOR ACOUSTIC AGGLOMERATION OF FLY ASH; MODAL COINCIDENCE SUPPRESSION DEVICE, A SPIRAL SILENCER FOR CONTROL VALVES; CONTROL VALVE NOISE GENERATION, PROPAGATION, TRANSMISSION AND RADIATION; PROPAGATION OF TRANSPORTATION NOISE OVER GROUND AND THROUGH FORESTS

780
PENNSYLVANIA STATE UNIVERSITY
DR. HARRY B. PIONKE, DIRECTOR
NORTHEAST WATERSHED RESEARCH CENTER
RESEARCH BUILDING A
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-4976

N.C.E.S. CODES
40.000000
2.000000
14.000000
S.I.C. CODES
892
KEYWORDS
HYDROLOGY
ENVIRONMENT
MODELLING
PERSONNEL
7 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
17 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

781
PENNSYLVANIA STATE UNIVERSITY
DR. SAMUEL H. LEVINE, DIRECTOR
NUCLEAR REACTOR FACILITY
BREAZEALE NUCLEAR REACTOR
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-6351

N.C.E.S. CODES
30.010100
14.230000
40.059900
S.I.C. CODES
381
KEYWORDS
RADIOACTIVITY
NUCLEAR
RADIATION
PERSONNEL
4 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $258370.00
SOURCES: COMMONWEALTH OF PENNSYLVANIA, INDUSTRY, PENNSYLVANIA STATE UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $250000.00
SOURCES: COMMONWEALTH OF PENNSYLVANIA, INDUSTRY, PENNSYLVANIA STATE UNIVERSITY

FACILITIES: MAINTAINS A 1-MS STEADY STATE REACTOR WITH PULSING CAPABILITY TO 2000 MW AND A SUPPLEMENTARY COBALT-60 FACILITY

BUILDINGS: BREAZEALE NUCLEAR REACTOR BUILDING

COLLECTIONS: MAINTAINS A LIBRARY OF 500 VOLUMES ON NUCLEAR ENGINEERING

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ANNUAL PROGRESS REPORT AND MANY SCIENTIFIC PUBLICATIONS

782
PENNSYLVANIA STATE UNIVERSITY
DR. ARCHIE MCDONNELL, DIRECTOR
PENNSYLVANIA INSTITUTE FOR RESEARCH ON LAND AND WATER RESOURCES
LAND AND WATER RESEARCH BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-0291

N.C.E.S. CODES
30.030100
30.010100
30.060100
S.I.C. CODES
892
KEYWORDS
NATURAL RESOURCE MANAGEMENT
POLLUTION CONTROL
LAND USE ASSESSMENT
PERSONNEL
59 RESEARCH PROFESSIONALS
23 SUPPORT PROFESSIONALS
89 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3173307.00
PAST FUNDING
AVERAGE AMOUNT = $4446385.00

FACILITIES: WATER QUALITY LABORATORY FULLY INSTRUMENTED FOR INORGANIC ANALYSIS; SLUDGE AND SOIL CLASSIFICATION LABORATORY; REMOTE SENSING DATA PROCESSING SYSTEM

BUILDINGS: N/A

COLLECTIONS: LIBRARY OF SPECIALIZED RESEARCH MATERIALS IN ENVIRONMENTAL MANAGEMENT, GOVERNMENT REPORTS, RETRIEVAL CAPABILITY

COOPERATIVE ARRANGEMENTS: NORTHEAST WATERSHED RESEARCH CENTER, USDA; ECONOMIC RESEARCH SERVICE, USDA

OUTPUTS: TECHNICAL RESEARCH COMPLETION REPORTS; WATER RESOURCES EXTENSION PUBLICATION; WATER RESEARCH CAPSULE REPORTS FOR USDI NEWSLETTER; SYMPOSIUM PROCEEDINGS; USER SOFTWARE PACKAGE (USED
TO INTERPRET LANDSAT DATA)

783
PENNSYLVANIA STATE UNIVERSITY
DR. JOHN J. HENRY, DIRECTOR
PENNSYLVANIA TRANSPORTATION INSTITUTE
N/A
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1891

N.C.E.S. CODES
14.080000
14.190000
8.110000
S.I.C. CODES
16
41
37
KEYWORDS
ROAD DESIGN AND PERFORMANCE
TRANSPORTATION POLICY AND PLANNING
TRANSPORTATION ECONOMICS
PERSONNEL
36 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
32 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1307000.00

SOURCES: U.S. DEPARTMENT OF TRANSPORTATION, GOODYEAR TIRE AND RUBBER COMPANY, NITTANY ENGINEERS MANAGEMENT CONSULTANTS, PENNSYLVANIA DEPARTMENT OF TRANSPORTATION, PENNSYLVANIA POWER AND LIGHT COMPANY
PAST FUNDING
AVERAGE AMOUNT = $1294485.00
SOURCES: U.S. DEPARTMENT OF TRANSPORTATION, U.S. DEPARTMENT OF ENERGY, NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM, PENNSYLVANIA DEPARTMENT OF TRANSPORTATION, ALLIED CHEMICAL CORPORATION

FACILITIES: MAINTAINS A TRANSPORTATION MATERIALS TESTING LABORATORY, STONE POLISHING LABORATORY, CIRCULAR TRACK APPARATUS, TIRE ENERGY LOSS FACILITY, AND THE PENNSYLVANIA TRANSPORTATION RESEARCH FACILITY, WITH A FULL-SCALE EXPERIMENTAL HIGHWAY WITH A SKID TEST FACILITY AND AN EXPERIMENTAL SEGMENTAL BRIDGE

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF 10000 VOLUMES ON HIGHWAYS, TRAFFIC SAFETY, AUTOMOTIVE RESEARCH, URBAN TRANSPORTATION, AND TRANSPORTATION PLANNING
COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: COMPUTER PROGRAMS FOR EVALUATING ROAD CONDITIONS; TESTING AND CALIBRATION OF PAVEMENT EVALUATION EQUIPMENT; COAL TRANSPORTATION STUDIES; ANALYSIS OF RAILROAD MAINTENANCE-OF-WAY EXPENDITURES; BITUMINOUS AND CONCRETE MATERIALS TESTING

784
PENNSYLVANIA STATE UNIVERSITY
DR. JOHN M. SKELLY, DIRECTOR
PLANT PATHOLOGY
211 BUCKHOUT LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7448

N.C.E.S. CODES
2.040600
2.040800
2.040100
S.I.C. CODES
11
17
19
KEYWORDS
PLANT DISEASE
EPIDEMIOLOGY
DISEASE CONTROL
PERSONNEL
18 RESEARCH PROFESSIONALS
14 SUPPORT PROFESSIONALS
14 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1693419.00
SOURCES: HATCH, CSRS, NIH, INDUSTRY CONTRACTS, REGIONAL FUNDING, MCINTYRE STENNIS
PAST FUNDING
AVERAGE AMOUNT = $1904339.00
SOURCES: HATCH, MCINTYRE STENNIS, USDA COOPERATIVE AGREEMENTS, REGIONAL FUNDING, INDUSTRY CONTRACTS, USDA/SEA/CR SPECIAL GRANTS

FACILITIES: FRUIT RESEARCH LAB IN BIGLERVILLE; FUSARIUM RESEARCH CENTER; CENTER FOR AIR ENVIRONMENT; MUSHROOM RESEARCH CENTER; ROCK SPRINGS RESEARCH FARM; BLACK MOSHANNON POTATO RESEARCH FARM

BUILDINGS: SEVERAL BUILDINGS AT THE MUSHROOM RESEARCH CENTER COMPLEX, INCLUDING MTDF; LABORATORY AND GREENHOUSE FACILITIES AT THE ROCK SPRINGS RESEARCH FARM

COLLECTIONS: FUSARIA SPP. WITHIN THE FUSARIUM RESEARCH CENTER; MUSHROOM CULTURE COLLECTION; PLANT PATHOLOGY LIBRARY AND WORKING COLLECTION

COOPERATIVE ARRANGEMENTS: USDA CENTER FOR CEREALS RESEARCH; SEMINAR SERIES WITH USDA/ARS/NEA IN FREDERICK, MD; KINGSOLVER CONTRACTUAL AGREEMENTS WITH USDA/ARS AND FOREST SERVICE; PESTICIDE APPLICATOR WORKER EXPOSURE STUDY USDA/NE REGION; WITH OTHER DEPARTMENTS OF THE UNIVERSITY

OUTPUTS: FUSARIUM RESEARCH CENTER - IDENTIFICATIONS AND COLLECTIONS; MUSHROOM RESEARCH CENTER TESTS - SPAWN TESTS, SUPPLEMENTS, NUTRIENT COMPOSITES; POTATO VARIETIES RELEASED - BUCKSIN, PENNROSE; VIRUS-INDEXED BROWN MUSHROOM VARIETY - SWAYNE NO. 981; AGRICULTURAL REPORT

785
PENNSYLVANIA STATE UNIVERSITY
DR. GORDON F. DE JONG, DIRECTOR
POPULATION ISSUES RESEARCH CENTER
22 BURROWES BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-0486

N.C.E.S. CODES
45.050100
S.I.C. CODES
944
961
KEYWORDS
DEMOGRAPHIC TRENDS

POPULATION ANALYSIS
POPULATION AND POLICY ISSUES
PERSONNEL
6 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $154000.00
SOURCES: NATIONAL SCIENCE FOUNDATION, NATIONAL INSTITUTE OF HEALTH, HEWLETT FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $92000.00
SOURCES: NATIONAL SCIENCE FOUNDATION, NATIONAL INSTITUTE OF HEALTH, NATIONAL RURAL ELECTRIFICATION COOPERATIVE ASSOCIATION

FACILITIES: SMALL LIBRARY, TWO COMPUTER TERMINALS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF 1000 ITEMS OF POPULATION DATA

COOPERATIVE ARRANGEMENTS: POPULATION ISSUES RESEARCH CENTER IS PART OF THE INSTITUTE FOR POLICY RESEARCH AND EVALUATION

OUTPUTS: PROFESSIONAL JOURNAL ARTICLES; BOOKS; REPORTS TO SPONSERS; WORKING PAPERS

786
PENNSYLVANIA STATE UNIVERSITY
PROFESSOR C.S. CARD, DIRECTOR
POULTRY DIAGNOSTIC SERVICES
ANIMAL DISEASE BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-0837

N.C.E.S. CODES
17.031100
18.100900
18.101800
S.I.C. CODES
74
25
KEYWORDS
POULTRY DISEASES
DIAGNOSTICS
MICROBIOLOGY
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $33000.00
SOURCES: SALES, PENNSYLVANIA DEPARTMENT OF AGRICULTURE CONTRACT
PAST FUNDING
AVERAGE AMOUNT = $32700.00
SOURCES: SALES, PENNSYLVANIA DEPARTMENT OF AGRICULTURE CONTRACT

FACILITIES: MICROBIOLOGY, VIROLOGY, IMMUNOLOGY, HISTOTECHNOLOGY CONTEMPORARY INSTRUMENTATION AND EQUIPMENT

BUILDINGS: FACILITIES FOR HOUSING BIRDS

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL RESEARCH PUBLICATIONS, BIOLOGICAL DISEASE CONTROL AGENTS (EXPERIMENTAL VACCINES FOR TURKEY HERPES VIRUS, MARBLE-SPLEEN DISEASE OF PHEASANTS AND MYCOBACTERIUM GALLINERIUM VACCINE FOR POULTRY)

787
PENNSYLVANIA STATE UNIVERSITY
DR. KENNETH GOODWIN, DIRECTOR
POULTRY SCIENCE
213 ANIMAL INDUSTRIES BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-3411

N.C.E.S. CODES
1.030200
2.020900
2.020100
S.I.C. CODES
25
75
27
KEYWORDS
AGRICULTURE
POULTRY
BIOLOGICAL SCIENCE
PERSONNEL
7 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
18 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $792055.00
SOURCES: COMMONWEALTH OF PENNSYLVANIA, U.S. GOVERNMENT, GRANTS, SALES
PAST FUNDING
AVERAGE AMOUNT = $666529.00
SOURCES: COMMONWEALTH OF PENNSYLVANIA, U.S. GOVERNMENT, GRANTS, SALES

FACILITIES: SEVERAL LABORATORIES

BUILDINGS: POULTRY RESEARCH FARM

COLLECTIONS: WORKING COLLECTION (SHARED COLLECTION WITH DAIRY AND ANIMAL SCIENCE, AND VETERINARY SCIENCE)

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PROFESSIONAL PUBLICATIONS

788
PENNSYLVANIA STATE UNIVERSITY
DR. H. REGINALD HARDY, DIRECTOR
ROCK MECHANICS LABORATORY
117 MINERAL SCIENCE BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-1620

N.C.E.S. CODES
  14.210000
  14.160000
  30.030000
S.I.C. CODES
  381
  131
  12
KEYWORDS
  ROCK MECHANICS RESEARCH
  MINE SAFETY
  NATURAL GAS STORAGE
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  10 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00
  SOURCES: AMERICAN GAS ASSOCIATION, PENNSYLVANIA STATE UNIVERSITY MINERAL RESEARCH INSTITUTE, MINING COMPANIES, DOE
PAST FUNDING
  AVERAGE AMOUNT = $50000.00
  SOURCES: AMERICAN GAS ASSOCIATION, PENNSYLVANIA STATE UNIVERSITY MINERAL RESEARCH INSTITUTE, MINING COMPANIES, DOE

FACILITIES: ELECTROHYDRAULIC PROGRAMABLE TESTING MACHINE, MOBILE MICROSEISMIC MONITORING LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: COOPERATIVE STUDIES WITH THE UNIVERSITY OF OVIEDO, SPAIN

OUTPUTS: NUMEROUS PROFESSIONAL JOURNAL ARTICLES

789
PENNSYLVANIA STATE UNIVERSITY
DR. ROBERT S. BOND, DIRECTOR
SCHOOL OF FOREST RESOURCES
101 FERGUSON BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7541

N.C.E.S. CODES
  3.050000
  3.040000
  3.060000
S.I.C. CODES
  85
  243
KEYWORDS
  MULTIPLE USE OF FORESTS
  WOOD PRODUCTS
  WILDLIFE/FISH
PERSONNEL
  26 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  20 TECHNICAL STAFF
  7 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $965255.00
  SOURCES: U.S. GOVERNMENT, USDA AND USDI, DOE, PENNSYLVANIA, INDUSTRY
PAST FUNDING
  AVERAGE AMOUNT = $1050028.00
  SOURCES: U.S. GOVERNMENT, USDA AND USDI, DOE, PENNSYLVANIA, INDUSTRY

FACILITIES: 6000 ACRE EXPERIMENTAL FOREST

BUILDINGS: TWO BUILDINGS; ONE WITH GREENHOUSES, SAWMILL, DRY KILN AND RESEARCH LABORATORIES

COLLECTIONS: A READING ROOM WITH MAJOR FORESTRY, FOREST PRODUCT AND WILDLIFE JOURNALS; VERTEBRATE TERRESTRIAL ANIMALS AND FISH COLLECTION

COOPERATIVE ARRANGEMENTS: FOREST SERVICE, USDA, FISH & WILDLIFE SERVICE, USDI, PENNSYLVANIA GAME COMMISSION, PENNSYLVANIA FISH COMMISSION

OUTPUTS: NUMEROUS PROFESSIONAL JOURNAL ARTICLES

790
PENNSYLVANIA STATE UNIVERSITY
DR. JOSEPH MACNEIL, DIRECTOR
SENSORY EVALUATION LABORATORY
120 C BORLAND LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-0655

N.C.E.S. CODES
2.039900
19.059900
1.040100
S.I.C. CODES
209
201
25
KEYWORDS
FOOD EVALUATION
CONSUMER TESTING
FLAVOR TESTING
PERSONNEL
2 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $7000.00
SOURCES: INDUSTRY, HATCH
PAST FUNDING
AVERAGE AMOUNT = $11000.00
SOURCES: INDUSTRY, PENNSYLVANIA STATE UNIVERSITY, HATCH

FACILITIES: 12 BOOTH FOOD TEST LABORATORY, FOOD PREPARATION AREA, CONSUMER TEST FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL JOURNAL ARTICLES, CONSULTING

791
PENNSYLVANIA STATE UNIVERSITY
DR. JAMES W. LUNDY, DIRECTOR
SMALL INDUSTRIES RESEARCH PROGRAM (SIR)
225 POND LAB
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-9519

N.C.E.S. CODES
0
S.I.C. CODES
892
KEYWORDS
RESEARCH AND DEVELOPMENT ASSISTANCE
SMALL PENNSYLVANIA INDUSTRIES
COOPERATIVE INDUSTRY AND UNIVERSITY RESEARCH
PERSONNEL
1 RESEARCH PROFESSIONALS
7 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $102900.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY; PENNSYLVANIA INDUSTRIES
PAST FUNDING
AVERAGE AMOUNT = $131000.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY; PENNSYLVANIA INDUSTRIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS REPORTS; PROTOTYPE BUILT OF THE PROGRESSIVE CUTTER; EVALUATION OF AN AEROBIC SEWAGE UNIT FOR CERTIFICATION; EXPERIMENTAL STRUCTURES AND ALTERNATIVE ENERGY SYSTEMS FOR GREENHOUSE INDUSTRY; COMPUTERIZED AND AUTOMATED SEWING MACHINES TO MANUFACTURE CHENILLE LETTERS

792
PENNSYLVANIA STATE UNIVERSITY
DR. JOSEPH STACH, DIRECTOR
SOLID STATE DEVICE LABORATORY
208 ELECTRICAL ENGINEERING WEST BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1666

N.C.E.S. CODES
14.100000
30.030100
40.059900
S.I.C. CODES
367
KEYWORDS
ELECTRONIC MATERIALS
ELECTRONIC DEVICES
IC PROCESS TECHNOLOGY
PERSONNEL
3 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $617000.00
SOURCES: IBM, AIR PRODUCTS, NRL, MONSANTO, NATIONAL SCIENCE FOUNDATION, ARO, SEMICONDUCTOR RESEARCH CORPORATION
PAST FUNDING
AVERAGE AMOUNT = $467000.00
SOURCES: ARO, NRL, AIR PRODUCTS, NSF, MONSANTO, IBM, GE

FACILITIES: SOLID STATE DEVICE LABORATORY; DIFFUSION AND OXIDATION FURNACES; MASK MAKING AND PHOTOLITHOGRAPHY EQUIPMENT; PLASMA ETCHING AND DEPOSITION FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: MICROELECTRONICS AFFILIATE PROGRAM

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

793
PENNSYLVANIA STATE UNIVERSITY
DR. JOHN O. YOCUM, DIRECTOR
SOUTHEASTERN FIELD RESEARCH
BOX 308
LANDISVILLE, PA 17538
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-653-4728

N.C.E.S. CODES
  2.040200
  2.040500
  2.040800
S.I.C. CODES
  13
  11
  16
KEYWORDS
  AGRONOMIC AND HORTICULTURAL CROPS
  EFFICIENT PRODUCTION
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $53856.00
  SOURCES: COMMONWEALTH OF PENNSYLVANIA, U.S. GOVERNMENT, PRIVATE FUNDING, CROP SALES
PAST FUNDING
  AVERAGE AMOUNT = $50350.00
  SOURCES: COMMONWEALTH OF PENNSYLVANIA, U.S. GOVERNMENT, PRIVATE FUNDING, CROP SALES

FACILITIES: 102 ACRES OF CROP RESEARCH LAND

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A TOBACCO LIBRARY

COOPERATIVE ARRANGEMENTS: COOPERATIVE ARRANGEMENTS WITH U.S.D.A. - SM. GRAIN, SOYBEAN AND FORAGE WORK

OUTPUTS: SEVERAL ARTICLES IN PROFESSIONAL JOURNALS

794
PENNSYLVANIA STATE UNIVERSITY
DR. WILLIAM G. DOWNS, DIRECTOR
SOUTHWESTERN FIELD RESEARCH LABORATORY
STAR ROUTE
RECTOR, PA 15677
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 412-593-2222

N.C.E.S. CODES
  1.010400
  1.030200
  1.030400
S.I.C. CODES
  13
  19
  29
KEYWORDS
  FORAGE
  COW-CALF
  NO-TILL
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $17000.00
  SOURCES: PRIVATE, PENNSYLVANIA STATE UNIVERSITY
PAST FUNDING
  AVERAGE AMOUNT = $16000.00
  SOURCES: PRIVATE, PENNSYLVANIA STATE UNIVERSITY

FACILITIES: 180 ACRES, CORRALS, TRACTORS, HARVESTING AND SEEDING EQUIPMENT, FENCES AND WATER SUPPLIES

BUILDINGS: EQUIPMENT AND HAY STORAGE

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

795
PENNSYLVANIA STATE UNIVERSITY
DR. T.A. WIGGINS, DIRECTOR
SPECTROSCOPY LABORATORY
104 DAVEY LABORATORY
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-5233

N.C.E.S. CODES
  40.080200
  40.080700
S.I.C. CODES
  99
KEYWORDS
  MOLECULAR SPECTROSCOPY

PHYSICAL AND GEOMETRIC OPTICS
LIGHT SCATTERING
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

796
PENNSYLVANIA STATE UNIVERSITY
DR. BRUCE M. SIEGENTHALER, DIRECTOR
SPEECH AND HEARING CLINIC
110 MOORE BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-2009

N.C.E.S. CODES
18.010300
S.I.C. CODES
809
KEYWORDS
SPEECH
HEARING
COMMUNICATION DISORDER
PERSONNEL
4 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

FACILITIES: SOUND ISOLATED ROOMS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

797
PENNSYLVANIA STATE UNIVERSITY
DR. G. PHILLIP CARTWRIGHT, DIRECTOR
SPEECH AND HEARING CLINIC
110 MOORE BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-5414

N.C.E.S. CODES
18.010000
S.I.C. CODES
809
KEYWORDS
COMMUNICATION DISORDER
REHABILITATION
SPECIAL EDUCATION
PERSONNEL
4 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $95000.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY, CLINIC FEES
PAST FUNDING
AVERAGE AMOUNT = $75000.00
SOURCES: PENNSYLVANIA STATE UNIVERSITY, CLINIC FEES

FACILITIES: HEARING TEST ROOMS AND LABORATORY; SPEECH SCIENCE LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: BONE CONDUCTION FOR AUDIOMETERS; TELEPHONE LISTENING FOR THE HEARING IMPAIRED; DEVELOPMENT OF SPEECH AND LANGUAGE AND REMEDIATION OF SPEECH AND LANGUAGE DISORDERS IN CLINIC CLIENTS

798
PENNSYLVANIA STATE UNIVERSITY
DR. CHAUNCEY MOREHOUSE, DIRECTOR
SPORTS RESEARCH INSTITUTE
SPORTS RESEARCH BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-9543

N.C.E.S. CODES
26.069900
30.010000
S.I.C. CODES
799
809
KEYWORDS
PROTECTIVE SPORTS EQUIPMENT
SPORTS SAFETY
ATHELETIC INJURIES
PERSONNEL
3 RESEARCH PROFESSIONALS

0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $22500.00
SOURCES: AMERICAN FUND FOR DENTAL HEALTH, SAFETY SURFACES INC., ASTM F8 57, SUBCOMMITTEE ON EYE SAFETY, OMNI-TURF INTERNATIONAL
PAST FUNDING
AVERAGE AMOUNT = $36500.00
SOURCES: HOME SAFE FACE GAURDS INC., RAWLINGS SPORTING GOODS, ROBBINS INC., SAFETY SURFACES INC., PENNSYLVANIA TURF GRASS COUNCIL

FACILITIES: IMPACT APPARATUS FOR PROTECTIVE HEADGEAR AND FOR PLAYING SURFACES, PNEUMATIC APPARATUS FOR PROPELLING DEVICES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A READING ROOM OF 300 VOLUMES ON SPORTS EQUIPMENT AND PREVENTION OF INJURIES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: EVALUATIONS AND A PLAYGROUND SURFACE DESIGN

799
PENNSYLVANIA STATE UNIVERSITY
DR. ROBERT M. BARNHOFF, DIRECTOR
STRUCTURES LABORATORY
212 SACKETT BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-0689

N.C.E.S. CODES
14.080000
3.040300
14.110000
S.I.C. CODES
344
249
327
KEYWORDS
STEEL STRUCTURES
STRUCTURAL TESTING
PERSONNEL
3 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: STATIC AND REPEATED LOAD TESTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: JOINT PROJECTS WITH THE PENNSYLVANIA TRANSPORTATION INSTITUTE

OUTPUTS: NUMEROUS PROFESSIONAL JOURNAL ARTICLES

800
PENNSYLVANIA STATE UNIVERSITY
DR. RICHARD M. LERNER, DIRECTOR
THE NEW YORK LONGITUDINAL STUDY
S 28 HUMAN DEVELOPMENT
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-1447

N.C.E.S. CODES
42.020000
42.030000
42.070000
S.I.C. CODES
99
KEYWORDS
LONGITUDINAL STUDY
PERSONALITY
PARENT-CHILD RELATIONS
PERSONNEL
11 RESEARCH PROFESSIONALS
9 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $111286.00
SOURCES: THE MACARTHUR FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $97989.00
SOURCES: THE MACARTHUR FOUNDATION

BUILDINGS: N/A

COLLECTIONS: MAINTAINS THE NEW YORK LONGITUDINAL STUDY ARCHIVE

COOPERATIVE ARRANGEMENTS:
WITH THE NEW YORK MEDICAL CENTER, NY

OUTPUTS: JOURNAL ARTICLES AND CONFERENCE PRESENTATIONS

801
PENNSYLVANIA STATE UNIVERSITY
DR. WILLIAM C. TEMPLETON, DIRECTOR
U.S. REGIONAL PASTURE RESEARCH LABORATORY

N A
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-237-7683

N.C.E.S. CODES
2.040200
2.050100
2.020400
S.I.C. CODES
13
24
21
KEYWORDS
FORAGE CROPS RESEARCH
ANIMAL NUTRITION
AGRONOMY
PERSONNEL
12 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
14 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1303400.00
SOURCES: U.S. DEPARTMENT OF AGRICULTURE (ARS)
PAST FUNDING
AVERAGE AMOUNT = $1292800.00
SOURCES: U.S. DEPARTMENT OF AGRICULTURE (ARS)

FACILITIES: NEAR-INFRARED SPECTRO-COMPUTERS

BUILDINGS: MAIN LABORATORY, FOUR GREENHOUSES, FARM BUILDINGS

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: EIGHT COOPERATIVE ARRANGEMENTS WITHIN PENNSYLVANIA STATE UNIVERSITY AND FIVE WITH OTHER UNIVERSITIES IN THE NORTHEAST

OUTPUTS: NUMEROUS JOURNAL PAPERS, TECHNICAL REPORTS AND ANNUAL REPORTS

802
PENNSYLVANIA STATE UNIVERSITY
PROFESSOR C.S. CARD, DIRECTOR
VETERINARY SCIENCE
115 HENNING BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-865-7696

N.C.E.S. CODES
2.020300
18.020000
18.101800
S.I.C. CODES
74
24
25
KEYWORDS
ANIMAL DISEASES
VETERINARY SCIENCE
PROTECTIVE IMMUNOLOGY
PERSONNEL
14 RESEARCH PROFESSIONALS
14 SUPPORT PROFESSIONALS
16 TECHNICAL STAFF
7 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $359000.00
SOURCES: USDA SPECIAL COMPETITIVE GRANTS, DEPARTMENTAL ALLOCATION, STATE CONTRACTS, INDEPENDENT GRANTS
PAST FUNDING
AVERAGE AMOUNT = $125000.00
SOURCES: USDA, CSRS, COMPETITIVE STATE GRANTS, DEPARTMENTAL ALLOCATIONS, INDUSTRY, STATE CONTRACTS

BUILDINGS: ANIMAL DESEASE LABORATORY, MASTITIS RESEARCH BARN, ANIMAL MAINTENANCE CENTER

COLLECTIONS: SMALL DEPARTMENTAL LIBRARY WITH CURRENT VETERINARY PERIODICALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL BASIC AND APPLIED RESEARCH JOURNAL PUBLICATIONS, INDUSTRIAL AND COMMERCIAL RESEARCH REPORTS, DIAGNOSTIC REPORTS, PROGRESS REPORTS TO FUNDING SOURCES

803
PENNSYLVANIA STATE UNIVERSITY
DR. C. S. CARD, DIRECTOR
VETERINARY SCIENCE, LARGE ANIMAL DIAGNOSTIC SERVICES
ANIMAL DISEASE BUILDING
UNIVERSITY PARK, PA 16802
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-863-0837

N.C.E.S. CODES
18.101800
18.020000
17.030000
S.I.C. CODES
74
24
29
KEYWORDS
VETERINARY DIAGNOSTICS
MICROBIOLOGY
ANIMAL DISEASE
PERSONNEL
6 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF

2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $275000.00
SOURCES: SALES, PENNSYLVANIA DEPARTMENT OF AGRICULTURE
PAST FUNDING
AVERAGE AMOUNT = $94700.00
SOURCES: SALES, PENNSYLVANIA DEPARTMENT OF AGRICULTURE

FACILITIES: HISTOTECHNOLOGY, PARASITOLOGY, VIROLOGY, AND MICROBIOLOGY LABORATORIES; ALSO AN ULTRAMICROTOME

BUILDINGS: NECROPSY FACILITIES, ANIMAL HOLDING UNITS, 30 ISOLATION PENS

COLLECTIONS: TEXTBOOKS AND JOURNALS ON DOMESTIC ANIMAL DESEASES AND VETERINARY PATHOLOGY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL BASIC AND APPLIED RESEARCH PUBLICATIONS, DIAGNOSTIC FINDINGS, FIELD INVESTIGATIONS OF DISEASE OUTBREAKS, MYCOTOXIN DIAGNOSIS AND RESEARCH

804
PENNTECH PAPERS, INC.
RICHARD L. POST, DIRECTOR
RESEARCH & DEVELOPMENT DEPARTMENT
100 CENTER STREET
JOHNSONBURG, PA 15845
ELK COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 814-965-2521

N.C.E.S. CODES
3.040600
14.070000
40.050000
S.I.C. CODES
262
261
KEYWORDS
SPECIALTY PAPERS
IMPROVE PAPER MANUFACTURE
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

805
PENNWALT CORPORATION
G.H. DAHL, DIRECTOR
AGCHEM DIVISION
900 FIRST AVENUE
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-337-6757

N.C.E.S. CODES
40.050400
40.059900
S.I.C. CODES
287
KEYWORDS
INSECTICIDES
HERBICIDES
AGRICULTURAL PRODUCTS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS AN EXTENSIVE TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH LOCAL AND FEDERAL AGRICULTURAL RESEARCH STATIONS

OUTPUTS: N/A

806
PENNWALT CORPORATION
DR. DONALD R. WILSON, DIRECTOR
CORPORATE RESEARCH AND DEVELOPMENT
900 FIRST AVENUE, P.O. BOX C
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-337-6815

N.C.E.S. CODES
40.050100
26.010000
40.050200
S.I.C. CODES
281
282
283
KEYWORDS
PRODUCT DEVELOPMENT
PROCESS DEVELOPMENT
SERVICES
PERSONNEL
15 RESEARCH PROFESSIONALS
20 SUPPORT PROFESSIONALS
19 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $5600000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

807
PENNWALT CORPORATION
DR. HARRY STEFANOU, DIRECTOR
METAL INDUSTRIES AND SPECIALTY PRODUCTS DIVISIONS
900 FIRST AVENUE
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-337-6643

N.C.E.S. CODES
  40.059900
S.I.C. CODES
  281
  284
  289
KEYWORDS
  SPECIALTY CHEMICALS
  CHEMICAL FORMULATION
  CHEMICAL PRODUCTS DEVELOPMENT
PERSONNEL
  21 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  5 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1800000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

808
PENNWALT CORPORATION
R.B. HAGER, DIRECTOR
ORGANIC CHEMICALS DIVISION
900 1ST AVENUE
KING OF PRUSSIA, PA 19426
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-337-6759

N.C.E.S. CODES
  40.050400
  40.050300
  40.050600
S.I.C. CODES
  286
  289
  281
KEYWORDS
  ORGANOSULFURS
  ALKYLAMINES
  ORGANIC INTERMEDIATES

BUILDINGS: N/A

COLLECTIONS: EXCELLENT TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

809
PENNWALT CORPORATION, STOKES DIVISION
H.R. POWELL, DIRECTOR
PENNWALT CORPORATION, STOKES DIVISION
5500 TABOR ROAD
PHILADELPHIA, PA 19120
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-831-5408

N.C.E.S. CODES
  14.190000
  14.270000
  14.100000
S.I.C. CODES
  355
KEYWORDS
  VACUUM PUMPS
  MOLDING PRESSES
  PLASTIC
PERSONNEL
  10 RESEARCH PROFESSIONALS
  10 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $700000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

810
PENNWALT/S.S. WHITE DENTAL PRODUCTS DIVISION
ROLAND F. BLEIHOLDER, DIRECTOR
DENTAL MATERIALS R & D
900 FIRST AVENUE, P.O. BOX C
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-337-6660

N.C.E.S. CODES
40.050400
14.200000
14.190000
S.I.C. CODES
282
289
384
KEYWORDS
DENTAL MATERIALS
DENTAL CUTTING TOOLS
DENTAL EQUIPMENT DEVELOPMENT
PERSONNEL
5 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $790000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

811
PENNYSLVANIA FISH COMMISSION, BUREAU OF
FISHERIES AND ENGINEERING
EDWARD R. MILLER, DIRECTOR
ENGINEERING/ARCHITECTURAL SECTION
450 ROBINSON LANE
BELLEFONTE, PA 16823
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-359-2754

N.C.E.S. CODES
1.030300
2.020700
14.050000
S.I.C. CODES
92
891
KEYWORDS
FISH CULTURE STATION
BIO-ENGINEERING
DESIGN AND CONSTRUCTION
PERSONNEL
4 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $487500.00

FACILITIES: DESIGN AND DRAFTING OFFICES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A DESIGN AND ENGINEERING LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

812
PENRECO (DIVISION OF PENNZOIL)
GEORGE E. BROTHERS, DIRECTOR
TECHNICAL SERVICES LABORATORY
N/A
KARNS CITY, PA 16041
BUTLER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-756-0110

N.C.E.S. CODES
0
S.I.C. CODES
291
KEYWORDS
MINERAL OIL, USP
PETROLATUM
PERSONNEL
3 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
17 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: TESTING EQUIPMENT FOR WHITE MINERAL OILS, PETROLATUMS, AND PETROLEUM WAXES, PETROLEUM SULFONATES AND RUST PREVENTIVE OILS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

813
PERMAGRAIN PRODUCTS, INC.
DR. A.E. WITT, DIRECTOR
PERMAGRAIN PRODUCTS, INC.
22 WEST STATE STREET
MEDIA, PA 19063
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-565-1575

N.C.E.S. CODES
3.040300
14.230000
40.080600
S.I.C. CODES
243

KEYWORDS
ADHESIVES
WOOD PROCESSING
GAMMA IRRADIATION
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: A LARGE COBALT 60 IRRADIATION SOURCE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

814
PERRY INTERNATIONAL, INC.
A.W. PERRY, DIRECTOR
PERRY INTERNATIONAL, INC.
117 S 17TH STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-665-1430

N.C.E.S. CODES
6.140100
6.149900
S.I.C. CODES
899
KEYWORDS
STUDY
MANAGEMENT
DEFENSE
PERSONNEL
12 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE DEFENSE DATA

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

815
PFIZER, INC.
DR. JAMES K. BARR, DIRECTOR
MPM RESEARCH
640 NORTH 13TH STREET
EASTON, PA 18042
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-253-6261

N.C.E.S. CODES
40.080400
40.050300
14.070000
S.I.C. CODES
282
KEYWORDS
MAGNETIC PARTICLES
RECORDING MEDIA
PERSONNEL
40 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
80 TECHNICAL STAFF
25 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000000.00

FACILITIES: ESCA, FULL COMPLIMENT OF ELECTRON-MICROSCOPY FACILITIES

BUILDINGS: N/A

COLLECTIONS: SCIENTIFIC/TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

816
PHARMACHEM CORPORATION
G.T. LAUTENSLAGER, DIRECTOR
DEPARTMENT OF MICROBIOLOGICAL RESEARCH
P.O. BOX 1035
BETHLEHEM, PA 18016-1035
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-867-4654

N.C.E.S. CODES
26.060000
40.050500
S.I.C. CODES
283
286
KEYWORDS
BACT-STAIN DEVELOPMENT
FERMENTATION CONTROL
PERSONNEL
2 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000000.00

FACILITIES: ELECTROPHORESIS APPARATUS; MONITORS; PUMPS; FRACTIONATORS; SUPERCENTRIFUGE; SOMICATORS; STIRRED CELL CONCENTRATORS; WRIST ACTION SHAKERS; LIGHT SCATTERING SPECTROPHOTOMETER; GAS LIQUID CHROMOTOGRAPHY; THIN LAYER CHROMATOGRAPHY EQUIPMENT; VISCOMETERS; CLINICAL CENTRIFUGES; CONDUCTIVITY METERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH LEHIGH UNIVERSITY

OUTPUTS: N/A

817
PHILADELPHIA BIOLOGICS CENTER
J.C. BUSBY, DIRECTOR
PHILADELPHIA BIOLOGICS CENTER
1015 CHESTNUT STREET
PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-922-7810

N.C.E.S. CODES
26.040100
40.050500
17.030100
S.I.C. CODES
283
289
KEYWORDS
ANTIBODIES
ANTI-SERA
LYMPHOID CELL
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

BUILDINGS: N/A

COLLECTIONS: RECORDS OF OVER 100000 PERSONS WHO HAVE BEEN PHENOTYPE FOR RED CELL ANTIGENS

COOPERATIVE ARRANGEMENTS: PENNSYLVANIA STATE UNIVERSITY, IOWA STATE UNIVERSITY AND OHIO STATE UNIVERSITY

OUTPUTS: N/A

818
PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE
DR. D.A. DEBIAS, DIRECTOR
SOMATIC COMPONENT TO MI
4150 CITY AVENUE
PHILADELPHIA, PA 19131
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-581-6600

N.C.E.S. CODES
18.000000
18.000000
S.I.C. CODES
80
KEYWORDS
MYOCARDIAL INFARCTION
LIFE SCIENCES
HEALTH SCIENCES
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $20000.00
SOURCES: AMERICAN OSTEOPATHIC ASSOCIATION
PAST FUNDING
AVERAGE AMOUNT = $20000.00
SOURCES: AMERICAN OSTEOPATHIC ASSOCIATION

FACILITIES: RESEARCH LABS, OFFICES, SURGICAL SUITES, FLUOROSCOPE, COMPUTER, ELECTRON MICROSCOPE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

819
PHILADELPHIA ELECTRIC COMPANY
CHARLES F. MENGERS, DIRECTOR
RESEARCH AND TESTING DIVISION
2301 MARKET STREET, S10-1
PHILADELPHIA, PA 19101
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-841-4850

N.C.E.S. CODES
30.030100
14.100000
14.190000
S.I.C. CODES
493
KEYWORDS
ADVANCED TECHNOLOGY AND SYSTEMS
DISTRIBUTION AUTOMATION AND CONTROL

SYSTEMS MODELING
PERSONNEL
33 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $7000000.00

FACILITIES: MATERIALS TESTS LAB; INSTRUMENT STANDARDIZATION TEST LAB; METALLURGY LAB; ACOUSTIC AND DYNAMIC LAB; COMMUNICATION AND RELAYS TEST LAB, PAINT AND COATINGS TEST LAB; AND PHOTO LAB

BUILDINGS: LABS LOCATED IN MAIN OFFICE BUILDING, PEACH BOTTOM ATOMIC PLANT, WEST CONSHOHOCKEN GAS PLANT, CHESTER GAS PLANT

COLLECTIONS: COMPANY LIBRARY INCLUDING ACCESS TO LOCKHEED DIALOG DATA BANK

COOPERATIVE ARRANGEMENTS: WITH EPRI, GRI, DOE, PJM, GCRA, OTHER UTILITIES, DREXEL UNIVERSITY, WASHINGTON UNIVERSITY, AND FRANKLIN INSTITUTE RESEARCH LABS

OUTPUTS: N/A

820
PHILADELPHIA GEAR CORPORATION
L.L. HAAS, DIRECTOR
SPECIAL PRODUCTS ENGINEERING
181 SOUTH GULPH ROAD
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-265-3000

N.C.E.S. CODES
14.141900
14.141100
14.142000
S.I.C. CODES
356
KEYWORDS
GEARS
CLUTCHES
FLUID MIXING EQUIPMENT
PERSONNEL
8 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
30 TECHNICAL STAFF
10 SUPPORT STAFF

FACILITIES: COMPUTER EQUIPPED ANALYTICS; DRAFTING FACILTIES; MECHANICAL POWER TEST LAB; MIXER LAB; MIXER TEST TANK; METALLURGICAL LAB

BUILDINGS: TEST TANK BUILDING

COLLECTIONS: A LIBRARY WITH AGMA SPECIFICATIONS; RELEVANT ANSI, ASME, ISO, MILITARY AND FEDERAL SPECIFICATIONS; RELEVANT PAPERS, ARTICLES AND BOOKS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

821
PHILADELPHIA GERIATRIC CENTER
DR. M. POWELL LAWTON, DIRECTOR
PHILADELPHIA GERIATRIC CENTER
5301 OLD YORK ROAD
PHILADELPHIA, PA 19141
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-456-2900

N.C.E.S. CODES
42.020000
18.100800
45.110100
S.I.C. CODES
99
KEYWORDS
GERONTOLOGY
GERIATRICS
BIOMEDICAL RESEARCH
PERSONNEL
20 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $600000.00

FACILITIES: LONG TERM CARE, HOUSING AND HOSPITAL FACILITIES

BUILDINGS: N/A

COLLECTIONS: GERONTOLOGY LIBRARY

COOPERATIVE ARRANGEMENTS: MEDICAL COLLEGE OF PENNSYLVANIA AFFILIATE OF THE UNIVERSITY OF PENNSYLVANIA

OUTPUTS: N/A

822
PHILADELPHIA HOSPITAL AND HEALTH CARE DISTRICT
1199C TRAINING AND UPGRADING FUND
DR. JAMES T. RYAN, DIRECTOR
PHILADELPHIA HOSPITAL AND HEALTH CARE DISTRICT
1199C
1319 LOCUST STREET
PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY

DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-735-5555

N.C.E.S. CODES
17.000000
18.110000
S.I.C. CODES
805
806
809
KEYWORDS
HEALTH MANPOWER PROJECTIONS
MANAGEMENT-UNION COOPERATION
PERSONNEL
5 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2300000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

823
PHILADELPHIA INQUIRER/DAILY NEWS
LEONARD E. BACH, DIRECTOR
MANAGER MARKETING SERVICES
400 N. BROAD STREET
PHILADELPHIA, PA 19101
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-854-2870

N.C.E.S. CODES
6.130100
S.I.C. CODES
271
489
731
KEYWORDS
INFORMATION
SURVEYS
ANALYSIS
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

824
PHILADELPHIA SAVING FUND SOCIETY
THOMAS E. MOWRY, DIRECTOR
MARKET DEVELOPMENT & RESEARCH UNIT
ROOM 820, 1212 MARKET STREET
PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-636-6826

N.C.E.S. CODES
3.040000
S.I.C. CODES
603
KEYWORDS
MARKETING INFORMATION
DISTRIBUTION STRATEGY
DECISION MAKING
PERSONNEL
5 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: APPLE MICROCOMPUTERS, RELATED SOFTWARE AND COMMUNICATION CAPABILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

825
PHILADELPHIA SUBURBAN WATER COMPANY
DR. THOMAS L. YOHE, DIRECTOR
RESEARCH OF ENVIRONMENTAL AFFAIRS
762 LANCASTER AVENUE
BRYN MAWR, PA 19010
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-525-1400

N.C.E.S. CODES
30.030000
40.050000
26.050000
S.I.C. CODES
494
KEYWORDS
WATER QUALITY

WATER TREATMENT
WATERSHED PROTECTION
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

FACILITIES: ANALYTICAL CHEMISTRY AND MICROBIOLOGY LABS

BUILDINGS: N/A

COLLECTIONS: APPLICABLE JOURNALS AND REFERENCE BOOKS

COOPERATIVE ARRANGEMENTS: CONTRACTED GC/MS SUPPORT, COOPERATIVE RESEARCH WITH ACADEMY OF NATURAL SCIENCES AND DREXEL UNIVERSITY

OUTPUTS: N/A

826
PHILADELPHIA ZOO
ROBERT L. SNYDER, DIRECTOR
PENROSE RESEARCH LABORATORY
34TH STREET & GIRARD AVE.
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-243-1100 EXT. 305

N.C.E.S. CODES
0
S.I.C. CODES
842
KEYWORDS
PATHOLOGY
NUTRITION
AGING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $80000.00

FACILITIES: ANIMAL LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE AND SCHOOL OF VETERINARY MEDICINE; INSTITUTE OF CANCER RESEARCH

OUTPUTS: N/A

827
PHOSPHO-ENERGETICS, INC.
N/A, DIRECTOR
PHOSPHO-ENERGETICS, INC.
3401 MARKET STREET, NO. 320
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-387-4429

N.C.E.S. CODES
18.020200
18.020500
18.109900
S.I.C. CODES
381
384
KEYWORDS
NUCLEAR MAGNETIC RESONANCE
METABOLIC NMR SYSTEMS
PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

FACILITIES: MANUFACTURING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH THE UNIVERSITY OF PENNSYLVANIA

OUTPUTS: N/A

828
PIASECKI AIRCRAFT CORPORATION
F.N. PIASECKI, DIRECTOR
PIASECKI AIRCRAFT CORPORATION
ELMWOOD AVENUE, EAST OF CALCON HOOK ROAD
SHARON HILL, PA 19079
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-522-1422

N.C.E.S. CODES
14.020000
3.040000
28.000000
S.I.C. CODES
452
85
108
KEYWORDS
VERTICAL AIRLIFT
AERONAUTICAL SCIENCES
TRANSPORT PRODUCTIVITY

PERSONNEL
  2 RESEARCH PROFESSIONALS
  50 SUPPORT PROFESSIONALS
  50 TECHNICAL STAFF
  15 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $5000000.00

FACILITIES: ENGINEERING COMPUTING AND DESIGN FACILITIES, MACHINE TOOLS AND ASSEMBLY BAYS FOR LARGE STRUCTURES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: U.S. NAVY

OUTPUTS: N/A

829
PIEZO CRYSTAL CO.
WILLIAM HANSON, DIRECTOR
PIEZO CRYSTAL CO.
P.O. BOX 619
CARLISLE, PA 17013
CUMBERLAND COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-249-2151

N.C.E.S. CODES
  14.120000
  40.080200
  40.089900
S.I.C. CODES
  367
KEYWORDS
  FREQUENCY
  CRYSTALS
  OSCILLATORS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00

FACILITIES: QUARTZ SWEEPING EQUIPMENT, REBIDIUM FREQ. STD.

BUILDINGS: N/A

COLLECTIONS: AN EXTENSIVE LIBRARY

COOPERATIVE ARRANGEMENTS: WITH WESTINGHOUSE

OUTPUTS: N/A

830
PIPER AIRCRAFT COMPANY
CAL WILSON, DIRECTOR
LOCK HAVEN DIVISION - ENGINEERING DEPARTMENT
820 EAST BALD EAGLE STREET
LOCK HAVEN, PA 17745
CLINTON COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-748-6711

N.C.E.S. CODES
  14.020000
S.I.C. CODES
  372
KEYWORDS
  AIRCRAFT MODEL DEVELOPMENT
PERSONNEL
  40 RESEARCH PROFESSIONALS
  11 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  37 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2100000.00

FACILITIES: COMPLETE RESEARCH AND DEVELOPMENT AND ENGINEERING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

831
PITTSBURGH DES MOINES CORP.
RICHARD E. HILLS, DIRECTOR
RESEARCH DEPARTMENT
NEVILLE ISLAND
PITTSBURGH, PA 15225
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-331-3000

N.C.E.S. CODES
  14.190000
  14.080000
  14.100000
S.I.C. CODES
  344
  162
KEYWORDS
  INSULATION
  MATERIALS
  FABRICATION
PERSONNEL
  7 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT = $350000.00

FACILITIES: EQUIPMENT RELATED TO MATERIALS EVALUATION AND THERMAL PERFORMANCE OF INSULATED STRUCTURE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

832
PITTSBURGH DESIGN SERVICES, INC.
WARREN W. FITZPATRICK, DIRECTOR
PITTSBURGH DESIGN SERVICES, INC.
P.O. BOX 469
CARNEGIE, PA 15106
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-276-3000

N.C.E.S. CODES
  0
S.I.C. CODES
  353
  355
KEYWORDS
  ENERGY CONSERVATION
  SAFETY IMPROVEMENTS
  BURNERS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $15000.00

FACILITIES: SPECIALLY DESIGNED TEST FURNACE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

833
PITTSBURGH PRESS COMPANY
MR. EUGENE CLEATH, DIRECTOR
RESEARCH DEPARTMENT
34 BOULEVARD OF ALLIES
PITTSBURGH, PA 15230
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-263-1332

N.C.E.S. CODES
  45.050100
S.I.C. CODES
  271
KEYWORDS
  DEMOGRAPHICS
  ADVERTISERS
  READERS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $200000.00

FACILITIES: COMPUTER ANALYSIS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

834
POCONO RABBIT FARM & LABORATORY
DR. WALTER HAAB, DIRECTOR
POCONO RABBIT FARM & LABORATORY
P.O. BOX 24
CANADENSIS, PA 18325
MONROE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-595-7108

N.C.E.S. CODES
  1.019900
  1.039900
S.I.C. CODES
  27
KEYWORDS
  IMMUNE SERA
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  4 SUPPORT STAFF

FACILITIES: SMALL LAB

BUILDINGS: N/A

COLLECTIONS: CHEMICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

835
POLICY INNOVATIONS, INC.
PAUL Y. HAMMOND, DIRECTOR
POLICY INNOVATIONS, INC.
1566 TIFFANY DRIVE
PITTSBURGH, PA 15241
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-221-9280

N.C.E.S. CODES
44.050000
45.100000
11.040000
S.I.C. CODES
971
972
KEYWORDS
POLICY RESEARCH
REPORTS
MANAGEMENT INFORMATION SYSTEMS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $70000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

836
POLLOCK RESEARCH AND DESIGN, INC.
MARCEL TREMBLAY, DIRECTOR
POLLOCK RESEARCH AND DESIGN, INC.
1200 HIGH STREET
POTTSTOWN, PA 19464
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-323-5450

N.C.E.S. CODES
14.180000
14.270000
14.170000
S.I.C. CODES
351
362
496
KEYWORDS
MATERIAL HANDLING
SPECIAL MACHINES
ENERGY CONSERVATION SYSTEMS
PERSONNEL
15 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
25 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3000000.00

FACILITIES: MANUFACTURING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

837
POLYSCIENCES INC.
DR. B. DAVID HALPERN, DIRECTOR
POLYSCIENCES INC.
400 VALLEY ROAD
WARRINGTON, PA 18976
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-343-6484

N.C.E.S. CODES
30.060000
40.050400
26.990000
S.I.C. CODES
289
282
286
KEYWORDS
CHEMICAL ANALYSIS
DYES AND STAINS
POLYMERS
PERSONNEL
25 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: TOTAL SYNTHETIC AND POLYMERIZATION LAB AND PILOT FACILITIES, ELECTRON MICROSCOPE, FULL ANALYTICAL SERVICES

BUILDINGS: N/A

COLLECTIONS: APPROXIMATELY 1500 VOLUMES

COOPERATIVE ARRANGEMENTS: WITH ALL MAJOR UNIVERSITIES IN THE AREA FOR LIBRARY AND ANALYTICAL SERVICES

OUTPUTS: N/A

838
PORT ALLEGANY ASBESTOS HEALTH PROGRAM, INC.
MARY LOU DANN, DIRECTOR
PORT ALLEGANY ASBESTOS HEALTH PROGRAM, INC.
P.O. BOX 309, PORT ALLEGANY
PORT ALLEGANY, PA 16743
MCKEAN COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 814-642-2637

N.C.E.S. CODES
80.809000
S.I.C. CODES
99
KEYWORDS
MEDICAL SURVEILLANCE
PERSONNEL
0 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

FACILITIES: PULMONARY FUNCTION EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: MOUNT SINAI SCHOOL OF MEDICINE, NATIONAL CANCER INSTITUTE, WORKERS INSTITUTE FOR SAFETY AND HEALTH, PORT ALLEGANY COMMUNITY HOSPITAL, FLINT GLASS WORKERS UNION, ADVISORY COMMITTEE

OUTPUTS: N/A

839
PPG INDUSTRIES
DR. M. WISMER, DIRECTOR
COATINGS AND RESINS
ROSANNA DRIVE
ALLISON PARK, PA 15101
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-487-4500

N.C.E.S. CODES
40.050400
40.050100
40.050200
S.I.C. CODES
285
282
KEYWORDS
PAINTS
RESINS
COATINGS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

840
PPG INDUSTRIES INC.
DR. P.G. BAY, DIRECTOR
SPECIALTY PRODUCTS UNIT
P.O. BOX 66251, 12555 WEST HIGGINS ROAD
CHICAGO, IL 60660
COUNTY
DEVELOPMENT REGION
PHONE: 312-694-2700

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
N/A

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

841
PPG INDUSTRIES, INC.
J. MAAGHUL, DIRECTOR
FIBER GLASS RESEARCH CENTER
P.O. BOX 2844
PITTSBURGH, PA 15230
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-782-5130

N.C.E.S. CODES
14.000000
40.050000
40.070000
S.I.C. CODES
329
222
282
KEYWORDS
FIBER GLASS REINFORCED PLASTIC PRODUCTS
FIBER GLASS TEXTILE PRODUCTS
FIBER GLASS PROCESS TECHNOLOGY

FACILITIES: PILOT FIBER GLASS MANUFACTURING UNIT INCLUDING PRIMARY GLASS MELTING FURNACE

BUILDINGS: N/A

COLLECTIONS: SMALL SPECIAL LIBRARY

COOPERATIVE ARRANGEMENTS: INTERDIVISIONAL PROJECTS WITHIN PPG

OUTPUTS: N/A

842
PPG INDUSTRIES, INC.
V.A. SARNI, DIRECTOR
R&D COORDINATING COMMITTEE
ONE GATEWAY CENTER
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-2577

N.C.E.S. CODES
14.060000
14.070000
40.050000
S.I.C. CODES
281
285
321
KEYWORDS
NEW PRODUCTS
ADVANCED TECHNOLOGY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: MELLON INSTITUTE (GENETIC ENGINEERING)

OUTPUTS: N/A

843
PPG INDUSTRIES, INC. - CHEMICALS
DR. P.M. CHAKRABARTI, DIRECTOR
CHEMICALS R&D
ONE GATEWAY CENTER
PITTSBURGH, PA 15222
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-434-2338

N.C.E.S. CODES
2.040800
40.050100
14.070000
S.I.C. CODES
281
286
287
KEYWORDS
PROCESS DEVELOPMENT
AGRICULTURAL PESTICIDES
COMMODITY/SPECIALTY CHEMICALS

FACILITIES: CORPORATE HEADQUARTERS IN PENNSYLVANIA, RESEARCH LABS LOCATED IN OTHER STATES

BUILDINGS: N/A

COLLECTIONS: HAS ACCESS TO TWO TECHNICAL LIBRARIES

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH MELLON INSTITUTE

OUTPUTS: N/A

844
PPG INDUSTRIES, INC. - GLASS GROUP
E.K. POLLOCK, DIRECTOR
FLAT GLASS AND AUTOMOTIVE AND AIRCRAFT GLASS
P.O. BOX 11472
PITTSBURGH, PA 15238
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-665-8555

N.C.E.S. CODES
14.000000
40.000000
27.000000
S.I.C. CODES
321
323
KEYWORDS
GLASS COMPOSITIONS
GLASS LAMINATING
STRENGTH AND SPECTRAL ANALYSIS

BUILDINGS: N/A

COLLECTIONS: 20000 MONOGRAPHS, 325 TECHNICAL JOURNAL SUBSCRIPTIONS, COMPLETE U.S. PATENT LIBRARY, 9000 INTERNAL REPORTS, AND ON-LINE SEARCHING AND CATALOGING SERVICES

COOPERATIVE ARRANGEMENTS: BETWEEN CORPORATE DIVISIONS

OUTPUTS: N/A

845
PRINCETON ASSOCIATES INC.
WILLIAM J. ALTIER, DIRECTOR
PRINCETON ASSOCIATES INC.
P.O. BOX 820
BUCKINGHAM, PA 18912
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-794-5626

N.C.E.S. CODES
6.010000
S.I.C. CODES
99
KEYWORDS
PROBLEM ANALYSIS
DECISION ANALYSIS
CREATIVITY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

846
PROCTOR & SCHWARTZ, INC.
L.F. STURGEON, DIRECTOR
R & D DEPARTMENT
251 GIBRALTAR ROAD
HORSHAM, PA 19044
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-443-5200

N.C.E.S. CODES
14.190000
S.I.C. CODES
355
KEYWORDS
DEHYDRATORS
DRYERS
PRODUCT TESTING
PERSONNEL
7 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $800000.00

FACILITIES: VARIETY OF THERMAL PROCESSING TEST EQUIPMENT TO 1800 DEGREES FAHRENHEIT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

847
PRODESCO, INC.
T. NASH BROADDUS, DIRECTOR
PRODESCO, INC.
700 PARK AVENUE, P.O. BOX 237
PERKASIE, PA 18944
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-257-6566

N.C.E.S. CODES
0
S.I.C. CODES
222
225
224
KEYWORDS
EXPERIMENTAL FABRICS
YARNS
SAMPLE FABRICS
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
35 TECHNICAL STAFF
3 SUPPORT STAFF

FACILITIES: LOOMS, KNITTING MACHINES, BRAIDERS AND SAMPLE BEAM AND SKEIN DYEING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: SIZABLE SAMPLE COLLECTION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

848
PRODUCT DYNAMICS LTD.
JOHN NELSON, DIRECTOR
PRODUCT DYNAMICS LTD.
6001 EDGELY AVENUE
LEVITTOWN, PA 19057
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-943-8606

N.C.E.S. CODES
30.030000
8.990000
14.190000
S.I.C. CODES
899
307
367
KEYWORDS
PROTOTYPES AND MODELS
DESIGN AND ENGINEERING
PROMOTIONAL PIECES
PERSONNEL
4 RESEARCH PROFESSIONALS

4 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
4 SUPPORT STAFF

FACILITIES: MACHINE SHOP, WOOD SHOP, DESIGN AND ENGINEERING DEPARTMENT, MODEL SHOP, ELECTRONICS LAB, AND CASTING AND MOLDING DEPARTMENT

BUILDINGS: N/A

COLLECTIONS: COLLECTION OF BOOKS, JOURNALS AND PRINTED REFERENCE MATERIALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

849
PROVIDENT MUTUAL LIFE INSURANCE COMPANY OF
PHILADELPHIA
FRANK W. PODREBARAC, DIRECTOR
RESEARCH DEPARTMENT
P.O. BOX 7378
PHILADELPHIA, PA 19101
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-472-5000

N.C.E.S. CODES
  27.020000
  6.080000
S.I.C. CODES
  631
KEYWORDS
  PRICING POLICIES
  NEW INSURANCE PLANS
  MORTALITY STUDIES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  9 TECHNICAL STAFF
  12 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $250000.00

BUILDINGS: N/A

COLLECTIONS: ACTUARIAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

850
QUAKER CHEMICAL CORPORATION
DR. J.E. DRACH, DIRECTOR
CORPORATE RESEARCH GROUP
LIME AND ELM STREETS
CONSHOHOCKEN, PA 19428
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-828-4250

N.C.E.S. CODES
  40.050400
S.I.C. CODES
  289
  286
KEYWORDS
  CHEMICAL SPECIALTIES
  HIGH PERFORMANCE PRODUCTS
PERSONNEL
  5 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

851
QUAKER STATE OIL REFINING CORPORATION
E. H. DELONG, DIRECTOR
RESEARCH CENTER
P.O. BOX 989
OIL CITY, PA 16301
VENANGO COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-676-2726

N.C.E.S. CODES
  0
S.I.C. CODES
  291
KEYWORDS
  LUBRICANTS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  8 SUPPORT PROFESSIONALS
  7 TECHNICAL STAFF
  12 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

FACILITIES: COMPLETE LABORATORY FACILITIES TO TEST AND DEVELOP LUBRICANTS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

852
QUANTICS, INC.
DR. JOSEPH J. BOLMARCICH, DIRECTOR
QUANTICS, INC.
993 OLD EAGLE SCHOOL ROAD
WAYNE, PA 19087
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-688-5346

N.C.E.S. CODES
11.050000
27.010000
28.040100
S.I.C. CODES
899
971
972
KEYWORDS
WAR RESERVE PLANNING
ASW TRACKING
TRAINING AMMUNITION
PERSONNEL
4 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

853
R.C. LEMAY ASSOCIATES, INC.
R.C. LEMAY, DIRECTOR
R.C. LEMAY ASSOCIATES, INC.
4116 HAIN DRIVE
LAFAYETTE HILL, PA 19444
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-836-7220

N.C.E.S. CODES
0
20.000000
S.I.C. CODES
20
30
KEYWORDS
IMPROVED PROCESSING
ENERGY SAVING
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

BUILDINGS: N/A

COLLECTIONS: COLLECTION OF 35 MM. SLIDES AND SOUND FILM SHOWING INDUSTRIAL HEAT PROCESS SIGNIFICANT

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

854
R.E. WRIGHT ASSOCIATES, INC.
RICHARD E. WRIGHT, DIRECTOR
R.E. WRIGHT ASSOCIATES, INC.
3240 SCHOOLHOUSE ROAD
MIDDLETOWN, PA 17057
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-944-5501

N.C.E.S. CODES
2.050100
14.150000
40.069900
S.I.C. CODES
899
891
KEYWORDS
GROUNDWATER
HAZARDOUS WASTE CLEANUP
EARTH RESOURCES STUDIES
PERSONNEL
6 RESEARCH PROFESSIONALS
12 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1800000.00

FACILITIES: RESEARCH AND DEVELOPMENT SHOP, HYDROLOGIC MONITORING PUMPS, GAGES, RECORDERS; SCBA AND RELATED HAZARDOUS WASTE EQUIPMENT; COMPLETE FIELD DEMONSTRATION CAPABILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A MODEST GEOLOGICAL, HYDROLOGICAL, ENGINEERING, CHEMICAL AND ENVIRONMENTAL HEALTH LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

855
R-C ASSOCIATES, INC.
DR. CLARENCE R. MOLL, DIRECTOR
R-C ASSOCIATES, INC.
P.O. BOX 64
WALLINGFORD, PA 19066
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-565-1351

N.C.E.S. CODES
0
S.I.C. CODES
892
89
KEYWORDS
EDUCATIONAL MANAGEMENT
SCHOOL IMPROVEMENT
INDUSTRIAL AND ECONOMIC DEVELOPMENT
PERSONNEL
2 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

856
RAMSAY CORPORATION
DR. R.T. RAMSAY, DIRECTOR
RAMSAY CORPORATION
BOYCE STATION OFFICES, 1050 BOYCE ROAD
PITTSBURGH, PA 15241
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-257-0732

N.C.E.S. CODES
42.090000
S.I.C. CODES
739
KEYWORDS
VALIDATION
TESTING
SELECTION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH THREE COLLEAGUES AND TWO ORGANIZATIONS

OUTPUTS: N/A

857
RAYMARK CORPORATION
BLAINE E. LOWRY, DIRECTOR
DRY CLUTCH PRODUCT DEVELOPMENT
123 EAST STIEGEL STREET
MANHEIM, PA 17545
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-665-2211

N.C.E.S. CODES
14.180000
S.I.C. CODES
306
KEYWORDS
NONASBESTOS CLUTCH FACING
CLUTCH
PERSONNEL
5 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
16 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: SPECIALIZED PRESSES, MIXERS, TREATERS, AND DRYER UNITS FOR YARNS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

858
READING ALLOYS, INC.
FRED H. PERFECT, DIRECTOR
RESEARCH AND DEVELOPMENT
P.O. BOX 53
ROBESONIA, PA 19551
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-693-5822

N.C.E.S. CODES
40.050300
40.070100
S.I.C. CODES
313
341

KEYWORDS
MASTER ALLOYS
EXTRACTIVE METALLURGY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: FURNACES OF MANY TYPES - PILOT PLANTS FURNACES, AND WET CHEMISTRY

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A VERY COMPLETE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

859
READING EAGLE COMPANY
WILLIAM S. FLIPPEN, DIRECTOR
READING EAGLE COMPANY
P.O. BOX 582
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-373-4221

N.C.E.S. CODES
9.040000
S.I.C. CODES
271
275
KEYWORDS
N/A
N/A

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

860
REGIONAL MEDICAL SERVICES, INC.
ROGER B. OBERG, DIRECTOR
HEALTH CARE MARKET RESEARCH AND PLANNING GROUP
201 STATE STREET
ERIE, PA 16550
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-456-3991

N.C.E.S. CODES
8.990000
18.070200
S.I.C. CODES
806
808
KEYWORDS
MARKET RESEARCH
STATISTICAL ANALYSIS
HEALTH CARE FORCASTING
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

861
RELIANCE INSURANCE COMPANY
BRIAN C. MOORE, DIRECTOR
RESEARCH AND ANALYSIS DEPARTMENT
4 PENN CENTER PLAZA
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-864-4393

N.C.E.S. CODES
6.080000
27.020000
S.I.C. CODES
633
KEYWORDS
ANALYZE
EVALUATE
FORECAST
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $260000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

862
RESCO PRODUCTS, INC.
C.R. ENOCH, DIRECTOR
RESEARCH AND ENGINEERING DIVISION
P.O. BOX 108
NORRISTOWN, PA 19404
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-279-5010

N.C.E.S. CODES
14.060000
14.210000
40.060100
S.I.C. CODES
329
145
KEYWORDS
REFRACTORIES
MINERALS
RESISTANT MATERIALS
PERSONNEL
8 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
17 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $750000.00

FACILITIES: STANDARD EQUIPMENT AND FACILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS REFERENCE LIBRARY COVERING MINERALOGY, GEOLOGY, CERAMIC TECHNOLOGY AND METALLURGY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

863
RESEARCH TRIANGLE INSTITUTE
DR. DANIEL G. HORVITZ, DIRECTOR
STATISTICAL SCIENCES GROUP
P.O. BOX 12194
RESEARCH TRIANGLE PARK, NC 27709
COUNTY
DEVELOPMENT REGION
PHONE: 919-541-6450

N.C.E.S. CODES
27.050000
11.010000
S.I.C. CODES
892
727
KEYWORDS
SURVEY RESEARCH
EXPERIMENTAL DESIGN
STATISTICAL ANALYSIS
PERSONNEL
63 RESEARCH PROFESSIONALS
58 SUPPORT PROFESSIONALS
31 TECHNICAL STAFF
23 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000000.00

FACILITIES: THE INSTITUTE HAS NUMEROUS MINICOMPUTER AND MICROCOMPUTER SYSTEMS AND IS SUPPORTED BY THE TRIANGLE UNIVERSITIES COMPUTATION CENTER WITH AN IBM 3081 AND AN IBM 370/168

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: THIS GROUP IS PART OF AN INSTITUTE AFFILIATED WITH THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, NORTH CAROLINA STATE UNIVERSITY, AND DUKE UNIVERSITY

OUTPUTS: N/A

864
RESEARCH TRIANGLE INSTITUTE (RTI)
DR. WILLIAM C. ECKERMAN, DIRECTOR
SOCIAL SCIENCES
P.O. BOX 12194
RESEARCH TRIANGLE PARK, NC 27709
COUNTY
DEVELOPMENT REGION
PHONE: 919-541-6447

N.C.E.S. CODES
6.120000
18.060000
30.060000
S.I.C. CODES
99
KEYWORDS
SURVEY RESEARCH
POLICY RESEARCH
DATA ANALYSIS
PERSONNEL
50 RESEARCH PROFESSIONALS
15 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
15 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $7000000.00

FACILITIES: COMPUTER FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

865
RESOURCE MANAGEMENT INTERNATIONAL, INC.
N/A, DIRECTOR
RESOURCE MANAGEMENT INTERNATIONAL, INC.
335 WEST BALTIMORE AVENUE
MEDIA, PA 19063
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-565-8890

N.C.E.S. CODES
  3.010100
  3.990000
S.I.C. CODES
  280
  919
KEYWORDS
  TOXIC WASTE HANDLING
  METHANE GAS PROCESSES
PERSONNEL
  2 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

866
RESOURCE TECHNOLOGIES CORPORATION
MR. JEFFREY R. KERN, DIRECTOR
RESOURCE TECHNOLOGIES CORPORATION
P.O. BOX 242
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-4880

N.C.E.S. CODES
  14.150000
  14.260000
  40.060000
S.I.C. CODES
  14
  12
KEYWORDS
  FEASIBILITY STUDIES
  MANUALS/REPORTS
  SPECIFICATIONS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $350000.00

FACILITIES: PHOTOINTERPRETATION LABORATORY,
COMPUTER FACILITIES

BUILDINGS: N/A

COLLECTIONS: GEOTECHNICAL, ENVIRONMENTAL SCIENCE,
HAZARDS, AND PHOTOINTERPRETATION LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

867
RICHARD A. RABNER & ASSOCIATES, INC.
MR. ARTHUR B. KNEIP, DIRECTOR
THE CONSULTING CONSORTIUM
SUITE 108, HICKORY HILL PLAZA, 151 SOUTH WARNER
ROAD
WAYNE, PA 19087
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-964-9620

N.C.E.S. CODES
  6.604000
  6.060600
  6.061200
S.I.C. CODES
  739
  737
KEYWORDS
  COMMERCIALIZATION
  VENTURE CAPITAL
  FACILITIES MANAGEMENT
PERSONNEL
  5 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF

FACILITIES: COMPUTER TIME-SHARE TERMINAL

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

868
RICHARD C. SUTTER & ASSOCIATES, INC.,
COMPREHENSIVE PLANNERS
RICHARD C. SUTTER, DIRECTOR
RICHARD C. SUTTER & ASSOCIATES, INC.,
COMPREHENSIVE PLANNERS
1301 ALLEGHENY STREET
HOLLIDAYSBURG, PA 16648
BLAIR COUNTY

SOUTHERN ALLEGHENIES DEVELOPMENT REGION
PHONE: 814-695-7577

N.C.E.S. CODES
4.030000
4.060000
4.070000
S.I.C. CODES
739
953
KEYWORDS
PLANS
PROGRAMS
ADVICE AND COUNSEL
PERSONNEL
4 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

FACILITIES. DESIGN AND DRAFTING FACILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS COLLECTION OF LOCAL SURVEYS

COOPERATIVE ARRANGEMENTS: AGREEMENTS WITH LOCAL MUNICIPALITIES, COUNTIES, SUB-STATE REGION, AND THE PRIVATE SECTOR

OUTPUTS: N/A

869
RILSAN INDUSTRIAL INC.
JAMES M. ADSETT, DIRECTOR
RESEARCH AND DEVELOPMENT DIVISION
1112 LINCOLN ROAD
BIRDSBORO, PA 19508
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-582-1551

N.C.E.S. CODES
0
S.I.C. CODES
282
KEYWORDS
IMPROVED PRODUCTS
NEW APPLICATIONS
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
4 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

870
RMC TECHNICAL SERVICES
ROBERT W. BLYE, DIRECTOR
POTTSTOWN ECOLOGICAL LABORATORY
FRICKS LOCK ROAD, R.D. 1
POTTSTOWN, PA 19464
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-326-9662

N.C.E.S. CODES
2.020700
30.010000
40.050200
S.I.C. CODES
891
494
951
KEYWORDS
AQUATIC ECOLOGY
TERRESTRIAL ECOLOGY
WATER QUALITY
PERSONNEL
9 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
11 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $600000.00

FACILITIES: FULL SERVICE ANALYTICAL LABORATORY, MARINE RESEARCH BOATS AND EQUIPMENT, COMPUTERIZED DATABASE STORAGE AND RETRIEVAL

BUILDINGS: N/A

COLLECTIONS: SMALL LIBRARY ON ENERGY DEVELOPMENT AND ENVIRONMENT AND TAXONOMIC REFERENCE COLLECTIONS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

871
ROBERT F. DENONCOURT
DR. ROBERT F. DENONCOURT, DIRECTOR
ENVIRONMENTAL CONSULTANT
R.D. 4, BOX 463
YORK, PA 17404
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-764-8850

N.C.E.S. CODES
  26.010000
  26.070000
  30.010000
S.I.C. CODES
  9
  84
  899
KEYWORDS
  AQUATIC ENVIRONMENTAL RESEARCH
  INCREASED ENVIRONMENTAL KNOWLEDGE
  APPLIED RESEARCH
PERSONNEL
  1 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF

FACILITIES: VARIOUS SUPPLIES; BOATS; MOTORS; ELECTRONIC GEAR

BUILDINGS: STORAGE/WORKSHOP AND GARAGE BUILDING

COLLECTIONS: HAS A PERSONAL LIBRARY OF APPROXIMATELY 7500 CATALOGUED ARTICLES AND 250 REFERENCE BOOKS

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH STUDENTS AND RESEARCHERS

OUTPUTS: N/A

872
ROBERT MORRIS COLLEGE
DR. GARY N. BANKS, DIRECTOR
DEPARTMENT OF ACADEMIC RESEARCH
ACADEMIC RESEARCH
CORAOPOLIS, PA 15008
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-264-9300 EXT. 294

N.C.E.S. CODES
  6.130000
  6.160000
S.I.C. CODES
  941
KEYWORDS
  STUDENT SATISFACTION
  TEACHER
  COLLEGE CLASSROOM
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $4200.00
  SOURCES: ROBERT MORRIS COLLEGE
PAST FUNDING
  AVERAGE AMOUNT = $3900.00
  SOURCES: ROBERT MORRIS COLLEGE

FACILITIES: PRIME COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: REPORT ON COLLEGE STUDENT SATISFACTION LEVELS IN CLASS; DESCRIPTOR STUDY ON SATISFIERS FOR BOTH SATISFIED AND NON-SATISFIED STUDENTS; COPYWRITE ON A QUESTIONNAIRE FOR DETERMINING EXCELLENCE IN TEACHERS IN CLASSROOMS

873
ROBERTSHAW CONTROLS COMPANY
F.S. GENBAUFFE, DIRECTOR
GENERAL ENGINEERING
N/A
YOUNGWOOD, PA 15697
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-925-7211

N.C.E.S. CODES
  14.100000
  14.190000
  14.180000
S.I.C. CODES
  363
  367
  349
KEYWORDS
  THERMOSTATS
  SWITCHES
  IGNITION CONTROLS
PERSONNEL
  10 RESEARCH PROFESSIONALS
  8 SUPPORT PROFESSIONALS
  22 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

874
ROCKWELL INTERNATIONAL
HARRY W. FISHER, DIRECTOR
GAS PRODUCTS ENGINEERING/RESEARCH
400 NORTH LEXINGTON AVENUE

PITTSBURGH, PA 5208
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-247-3359

N.C.E.S. CODES
  14.190000
  40.080500
  14.250000
S.I.C. CODES
  382
  492
  359
KEYWORDS
  GAS METERS
  REGULATORS
  INSTRUMENTS
PERSONNEL
  9 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1100000.00

FACILITIES: GAS METER PROVING FACILITIES, BOTH LOW AND HIGH PRESSURE AND ASSOCIATED EQUIPMENT

BUILDINGS: TWO LABORATORIES - ONE IN PITTSBURGH AND ONE IN DUBOIS

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: BETWEEN CORPORATE UNITS

OUTPUTS: N/A

875
ROCKWELL INTERNATIONAL
D.W. DUFFEY, DIRECTOR
VALVE ENGINEERING AND RESEARCH
400 NORTH LEXINGTON AVENUE
PITTSBURGH, PA 15208
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-247-3246

N.C.E.S. CODES
  14.190000
  14.180000
  14.070000
S.I.C. CODES
  382
  46
  356
KEYWORDS
  VALVES
  FLUID FLOW
  FLOW CONTROL
PERSONNEL
  24 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  29 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $3000000.00

FACILITIES: SEM; PSP; STEAM BOILER AND SUPERHEATER; CAD; SPECTROPHOTOMETERS

BUILDINGS: TEST STATION

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: BETWEEN CORPORATE UNITS

OUTPUTS: N/A

876
ROCKWELL INTERNATIONAL
R.N. KOCH, DIRECTOR
WATER PRODUCTS ENGINEERING
400 NORTH LEXINGTON
PITTSBURGH, PA 15208
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-247-3364

N.C.E.S. CODES
  14.190000
  14.100000
  14.110000
S.I.C. CODES
  382
  353
  349
KEYWORDS
  FLOW METERS
  PIPE FITTINGS
  INSTRUMENTS
PERSONNEL
  7 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

FACILITIES: WATER METER FLOW CALIBRATION LOOPS AND GENERAL MECHANICAL AND ELECTRONICS LABS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: INTRA-COMPANY ARRANGEMENTS

OUTPUTS: N/A

877
ROHM AND HASS COMPANY
DR. ROBERT E. NAYLOR, DIRECTOR
RESEARCH DIVISION
727 NORRISTOWN ROAD
SPRING HOUSE, PA 19477
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-641-7845

N.C.E.S. CODES
  40.050400
  40.050600
  14.070000
S.I.C. CODES
  282
  286
  287
KEYWORDS
  SPECIALTY CHEMICALS
  AGRICULTURAL CHEMICALS
  PLASTICS
PERSONNEL
  453 RESEARCH PROFESSIONALS
  297 SUPPORT PROFESSIONALS
  434 TECHNICAL STAFF
  130 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000000.00

FACILITIES: STATE-OF-THE-ART EQUIPPED INDUSTRIAL RESEARCH LABS PLUS ANALYTICAL RESEARCH CAPABILITY; FULL RANGE FACILITIES AND STAFF FOR TOXICOLOGICAL STUDIES; AGRICULTURAL RESEARCH FARM

BUILDINGS: APPROXIMATELY 10 BUILDINGS DEVOTED TO RESEARCH PLUS SUPPORT LIBRARIES AND A 140 ACRE MAIN CAMPUS

COLLECTIONS: EXTENSIVE TECHNICAL LIBRARY PLUS ON-LINE LITERATURE SEARCHING CAPABILITIES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

878
ROYSTON LABORATORIES, INC.
ROBERT A. SETTINERI, DIRECTOR
RESEARCH AND DEVELOPMENT
128 1ST STREET
PITTSBURGH, PA 15238
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-828-1500

N.C.E.S. CODES
  40.050400
  40.069900
S.I.C. CODES
  99
KEYWORDS
  CORROSION CONTROL
  CORROSION
  UNDERGROUND
PERSONNEL
  4 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $150000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

879
RUBBER ROLLS, INC.
FRANCIS SMUTNAY, DIRECTOR
RUBBER LAB
BOX 298
MEADOW LANDS, PA 15347
WASHINGTON COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-225-9240

N.C.E.S. CODES
  40.050100
  40.050300
  40.050400
S.I.C. CODES
  3
KEYWORDS
  ROLL COVERINGS
  MOLDED INDUSTRIAL PARTS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF

FACILITIES: RHEOMETER; TENSILE TESTER; LAB RUBBER MILL; PRESS; AGING OVEN; FURNACE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

880
RUETGERS-NEASE CHEMICAL COMPANY, INC.
DR. IAN BELL, DIRECTOR

R&D DEPARTMENT
P.O. BOX 221
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-238-2424

N.C.E.S. CODES
0
S.I.C. CODES
283
284
286
KEYWORDS
PROCESS FOR ORGANIC CHEMICAL INTERMEDIATES
PERSONNEL
9 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $600000.00

FACILITIES: SIX TWO-MAN LABS; ONE THREE-MAN LAB; ANALYTICAL INSTRUMENTATION; GC, HPLC, UV, IR, AA

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

881
RUFUS F. WALKER, JR. CORP.
RUFUS F. WALKER, DIRECTOR
RUFUS F. WALKER, JR. CORP.
STRATH HAVEN, SUITE 822
SWARTHMORE, PA 19081
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-328-0414

N.C.E.S. CODES
9.020000
6.010000
S.I.C. CODES
271
731
KEYWORDS
NEWSPAPER CONSULTING SERVICES
RETAIL MARKETING
NEWSPAPER ADVERTISING
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

882
RUSS MANAGEMENT, INC.
RUSSELL A. HOOVER, DIRECTOR
COAL REFUSE RECLAMATION
P.O. BOX 752
GREENSBURG, PA 15601
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-838-8963

N.C.E.S. CODES
6.040400
6.049900
S.I.C. CODES
12
KEYWORDS
COAL RECLAMATION
COAL PROCESSING
PLANT IMPLEMENTATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000.00

FACILITIES: COMPLETE COAL TESTING LAB

BUILDINGS: N/A

COLLECTIONS: MAINTAINS COLLECTION OF COMPANY DATA

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

883
SAINT FRANCIS COLLEGE
DR. MARION DOUGAN, DIRECTOR
NURSING EDUCATION RESEARCH CENTER
DEPARTMENT OF NURSING
LORETTO, PA 15940
CAMBRIA COUNTY
SOUTHERN ALLEGHENIES DEVELOPMENT REGION
PHONE: 814-472-7000 EXT. 427

N.C.E.S. CODES
18.119900
S.I.C. CODES
805
KEYWORDS
LEARNING STYLE

COGNITIVE STYLE
NURSING EDUCATION
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: REPORT ON FIRST PHASE OF RESEARCH WILL BE GENERATED SUMMER 1984

884
SAINT JOSEPH'S UNIVERSITY
MR. CHARLES MALLOWE, DIRECTOR
ACADEMY OF FOOD MARKETING
5600 CITY AVENUE
PHILADELPHIA, PA 19131
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-879-7510

N.C.E.S. CODES
2.030300
S.I.C. CODES
99
KEYWORDS
FOOD DISTRIBUTION
FOOD
PERSONNEL
5 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00
SOURCES: NABISCO BRANDS INC. AND OTHER FOOD COMPANIES
PAST FUNDING
AVERAGE AMOUNT = $200000.00

BUILDINGS: N/A

COLLECTIONS: CAMPBELL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PUBLICATIONS IN JOURNALS AND CONFERENCE PROCEEDINGS, PLUS TOPIC REPORTS MADE AVAILABLE TO THE FOOD INDUSTRY

885
SAINT JOSEPH'S UNIVERSITY
DR. ERNEST DICARLO, DIRECTOR
CHEMICAL DYNAMICS
5600 CITY AVENUE
PHILADELPHIA, PA 19131
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-879-7439

N.C.E.S. CODES
40.050000
40.050600
S.I.C. CODES
99
KEYWORDS
MICROWAVE
RELAXATION
STEREOCHEMICALLY NONRIGIDITY
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $38000.00
SOURCES: NATIONAL SCIENCE FOUNDATION

FACILITIES: INSTRUMENTATION FOR THE MEASUREMENT OF THE REAL AND IMAGINARY PARTS OF THE DIELECTRIC CONSTANT COVERING THE FREQUENCY RANGE 0.001GHZ TO 135GHZ

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: TWO RESEARCH REPORTS TO NATIONAL SCIENCE FOUNDATION

886
SAINT JOSEPH'S UNIVERSITY
DR. GEORGE NELSON, DIRECTOR
ORGANIC SYNTHESIS RESEARCH LABORATORY
5600 CITY AVENUE
PHILADELPHIA, PA 19131
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-879-7300

N.C.E.S. CODES
40.050200
S.I.C. CODES
99
KEYWORDS
PGBX
PHARMACEUTICAL
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
0 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT = $64000.00
  SOURCES: DEPARTMENT OF NAVY
PAST FUNDING
  AVERAGE AMOUNT = $60000.00
  SOURCES: DEPARTMENT OF NAVY

FACILITIES: HIGH PERFORMANCE LIQUID CHROMATOGRAPH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: USE OF NMR AND MASS SPECTOGRAPH AT THE UNIVERSITY OF PENNSYLVANIA

OUTPUTS: ANNUAL REPORT OF PROJECTS TO THE NAVY; U.S. PATENT ON PROSTAGLANDIN ANALOGS

887
SAINT JOSEPH'S UNIVERSITY
DR. CARROLL B. NASH, DIRECTOR
PARAPSYCHOLOGY LABORATORY
5600 CITY AVENUE
PHILADELPHIA, PA 19131
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-879-7369

N.C.E.S. CODES
  42.990000
S.I.C. CODES
  99
KEYWORDS
  EXTRASENSORY
  PSYCHOKINESIS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000.00
  SOURCES: PARAPSYCHOLOGY FOUNDATION
PAST FUNDING
  AVERAGE AMOUNT = $1000.00
  SOURCES: PARAPSYCHOLOGY FOUNDATION

BUILDINGS: N/A

COLLECTIONS: PARAPSYCHOLOGY LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH REPORTS AND PAPERS

888
SANDA, INC.
PHILIP SADTLER, DIRECTOR
SANDA, INC.
4343 EAST RIVER DRIVE
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-849-8100

N.C.E.S. CODES
  40.050200
S.I.C. CODES
  881
KEYWORDS
  TITRATOR
  CALORIMETER
  CHEMICAL ANALYSIS
PERSONNEL
  5 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $75000.00

FACILITIES: CALORIMETERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

889
SARATOGA INTERNATIONAL
HARRY W. RIVKIN, DIRECTOR
RESEARCH DEPARTMENT
YORK PLAZA, 201 YORK ROAD
JENKINTOWN, PA 19046
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-572-1600

N.C.E.S. CODES
  6.140100
  6.140200
  6.149900
S.I.C. CODES
  739
  737
KEYWORDS
  SOFTWARE
  FINANCIAL PREDICTOR
  PRODUCT DEVELOPMENT
PERSONNEL
  6 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $600000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

890
SCHOTT OPTICAL GLASS INC.
DR. KARL-HEINZ MADER, DIRECTOR
CORPORATE TECHNICAL SERVICES
400 YORK AVENUE
DURYEA, PA 18642
LUZERNE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-457-7485

N.C.E.S. CODES
14.060000
S.I.C. CODES
32
322
KEYWORDS
NEW GLASS COMPOSITIONS
GLASS SURFACE CHEMISTRY
LASER GLASS
PERSONNEL
10 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
19 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $857000.00

BUILDINGS: N/A

COLLECTIONS: SMALL LIBRARY

COOPERATIVE ARRANGEMENTS: WITH LLNL

OUTPUTS: N/A

891
SCIENCE COMMUNICATIONS ASSOCIATES
SHARON M. FRIEDMAN, DIRECTOR
SCIENCE COMMUNICATIONS ASSOCIATES
3061 POWDER MILL CIRCLE
BETHLEHEM, PA 18017
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-868-7692

N.C.E.S. CODES
9.030000
9.050000
9.040000
S.I.C. CODES
899
892
951
KEYWORDS
SCIENCE COMMUNICATIONS
ENVIRONMENTAL COMMUNICATIONS
PUBLIC COMMUNICATIONS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

892
SCIENCE MARKETING CORPORATION
DR. DAVID H. NASH, DIRECTOR
SCIENCE MARKETING CORPORATION
P.O. BOX 461
BALA CYNWYD, PA 19004
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-351-9128

N.C.E.S. CODES
6.139900
6.140200
S.I.C. CODES
739
737
KEYWORDS
MARKET RESEARCH
MANAGEMENT SCIENCE
MARKET REPORTS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $75000.00

BUILDINGS: N/A

COLLECTIONS: SMALL SCIENTIFIC LIBRARY (100 VOLUMES)

COOPERATIVE ARRANGEMENTS: COLLINGWOOD, NEALE & PARTNERS; CHASE ECONOMETERS; SCIENTIFIC SOFTWARE ASSOCIATES

OUTPUTS: N/A

893
SCIENTIFIC SYSTEMS, INC.
MR. ANDREW R. CHARNEY, DIRECTOR
SCIENTIFIC SYSTEMS, INC.
1120 WEST COLLEGE AVENUE
STATE COLLEGE, PA 16801
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-234-7311

N.C.E.S. CODES
40.050200
S.I.C. CODES
381
KEYWORDS
ANALYTICAL INSTRUMENTS
INSTRUMENTS
ACCESSORIES
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

FACILITIES: PRECISION MEASURING/TESTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: STATE OF THE ART PUBLICATIONS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

894
SCOTT PAPER COMPANY
R.P. TRIOLO, DIRECTOR
RESEARCH AND DEVELOPMENT
1500 EAST 2ND STREET
EDDYSTONE, PA 19013
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-876-2551

N.C.E.S. CODES
14.990000
40.059900
40.079900
S.I.C. CODES
282
307
KEYWORDS
POLYURETHANE FOAM RESEARCH
POLYURETHANE FOAM DEVELOPMENT
PERSONNEL
6 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: LABORATORY FOAM MACHINES, LAMINATORS, AND TEST EQUIPMENT

BUILDINGS: LABORATORY AND PILOT PLANT BUILDINGS

COLLECTIONS: MAINTAINS COLLECTION OF PERTINENT TECHNICAL JOURNALS; HAS ACCESS TO CORPORATE RESEARCH LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

895
SCOTT PAPER COMPANY
DR. VINCENT A. RUSSO, DIRECTOR
RESEARCH AND DEVELOPMENT - PPD
SCOTT PLAZA III
PHILADELPHIA, PA 19113
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-521-5000

N.C.E.S. CODES
30.010100
30.030100
14.070000
S.I.C. CODES
262
261
264
KEYWORDS
PAPER PRODUCTS
PULP PRODUCTS
PERSONNEL
120 RESEARCH PROFESSIONALS
40 SUPPORT PROFESSIONALS
175 TECHNICAL STAFF
25 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $25000000.00

FACILITIES: PULP AND PAPERMAKING PILOT FACILITIES

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE TECHNICAL AND PATENT LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

896
SEA SOLAR POWER, INC.
J. HILBERT ANDERSON, DIRECTOR

311

SEA SOLAR POWER, INC.
2422 SOUTH QUEEN STREET
YORK, PA 17402
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-741-0884

N.C.E.S. CODES
  14.190000
S.I.C. CODES
  351
  358
KEYWORDS
  HEAT EXCHANGE
  TURBINES
  PUMPS
PERSONNEL
  6 RESEARCH PROFESSIONALS
  4 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $100000.00

FACILITIES: HEAT TRANSFER TEST FACILITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

897
SEASON ALL INC.
MR. WILLIAM BEZUBIC, DIRECTOR
PRODUCT ENGINEERING AND DEVELOPMENT
ROUTE 119 SOUTH
INDIANA, PA 15701
INDIANA COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-349-4600

N.C.E.S. CODES
  4.990000
  3.029900
  14.990000
S.I.C. CODES
  349
  307
KEYWORDS
  CONSERVATION WINDOWS
  ENERGY "U" VALUE
  AIR INFILTRATION
PERSONNEL
  3 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $75000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

898
SENSENICH CORPORATION
ROBERT E. BRISTOL, DIRECTOR
PROPELLER ENGINEERING DEPARTMENT
P.O. BOX 4187
LANCASTER, PA 17604
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-569-0435

N.C.E.S. CODES
  14.020000
S.I.C. CODES
  99
KEYWORDS
  PROPELLER DESIGN
  DUCTED FANS
  WIND GENERATOR BLADES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

899
SENSOR RESEARCH INC.
MR. SIEGFRIED SCHMAUS, DIRECTOR
SENSOR RESEARCH INC.
806 POWDER MILL LANE
PENFIELD DOWNS, PA 19151
CLEARFIELD COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 215-649-1557

N.C.E.S. CODES
  14.110000
S.I.C. CODES
  381
  382

KEYWORDS
  PRESSURE SENSOR
  DESIGN CONSULTING
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $25000.00

FACILITIES: PRESSURE VACUUM TEST EQUIPMENT, VACUUM PUMPS, COMPRESSOR, ENVIRONMENT TESTING

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

900
SETON HILL COLLEGE
DR. CHARLES A. BERGLUND, DIRECTOR
CHEMISTRY DEPARTMENT
DEPARTMENT OF CHEMISTRY
GREENSBURG, PA 15601
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-834-2200 EXT. 348

N.C.E.S. CODES
  46.089900
  46.050600
S.I.C. CODES
  282
KEYWORDS
  POLYMERS
  ENTANGLEMENTS
  VISCOELASTICITY
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $6900.00
  SOURCES: RESEARCH CORPORATION
PAST FUNDING
  AVERAGE AMOUNT = $6900.00
  SOURCES: RESEARCH CORPORATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: INFORMAL ARRANGEMENTS WITH POLICY, INC. OF LATROBE, PA, AND CARNEGIE-MELLON UNIVERSITY

OUTPUTS: N/A

901
SETON HILL COLLEGE
DR. BERNADETTE R. FONDY, DIRECTOR
DEPARTMENT OF BIOLOGY
DEPARTMENT OF BIOLOGY
GREENSBURG, PA 15601
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-834-2200

N.C.E.S. CODES
  26.030700
  1.031000
  1.016000
S.I.C. CODES
  99
KEYWORDS
  TRANSLOCATION
  PARTITIONING OF PHOTOASSIMILATES
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $4300.00
  SOURCES: NATIONAL SCIENCE FOUNDATION
PAST FUNDING
  AVERAGE AMOUNT = $4600.00
  SOURCES: NATIONAL SCIENCE FOUNDATION AND
    SIGMA XI

FACILITIES: LIQUID SCINTILLATION COUNTER, INFRARED GAS ANALYZER, FLUORIMETER, RADIATION LAB WITH NEGATIVE PRESSURE HOOD

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: RESEARCH ARRANGEMENT WITH THE UNIVERSITY OF DAYTON SUPPLEMENTS THE RESEARCH DURING THE ACADEMIC YEAR

OUTPUTS: SEVEN PUBLICATIONS AND MANY PAPER PRESENTATIONS

902
SETON HILL COLLEGE
DR. MARK L. WYGODA, DIRECTOR
PHYSIOLOGICAL ECOLOGY LABORATORY
DEPARTMENT OF BIOLOGY
GREENSBURG, PA 15601
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-834-2200 EXT. 266

N.C.E.S. CODES
26.000000
26.070100
26.070600
S.I.C. CODES
892
KEYWORDS
AMPHIBIAN SKIN PERMEABILITY
GAS EXCHANGE
COMPARATIVE PHYSIOLOGY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $6950.00
SOURCES: BIOLOGY DEPARTMENT, AND SETON HILL COLLEGE

FACILITIES: O-2 ANALYZER, CO-2 ANALYZER, WIND TUNNEL, TELETHERMOMETERS, ARTIFICAL STREAM, CHART RECORDERS, COLD ANIMAL ROOM, WARM ANIMAL ROOM

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: EQUIPMENT (ELECTRONIC BALANCE, TEMPERATURE RECORDER, HYGROMETER, ANEMOMETER) ON LOAN FROM THE UNIVERSITY OF FLORIDA

OUTPUTS: TWO ARTICLES IN TECHNICAL JOURNALS

903
SGL ABRASIVE
DENNIS DITMER, DIRECTOR
PRODUCT ENGINEERING
BOX 188
CARLISLE, PA 17013
CUMBERLAND COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-243-3471

N.C.E.S. CODES
14.060000
14.070000
14.180000
S.I.C. CODES
329
KEYWORDS
BONDED ABRASIVE PRODUCTS
PRODUCT EFFICIENCY
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

FACILITIES: GRINDING TEST UNITS; TINIUS OLSEN TENSILE TESTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

904
SHARPLES-STOKES DIVISION, PENNWALT CORPORATION
W. BORIG, DIRECTOR
SHARPLES-STOKES DIVISION, PENNWALT CORPORATION
955 MEARNS ROAD
WARMINSTER, PA 18974
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-443-4203

N.C.E.S. CODES
14.990000
14.110000
14.190000
S.I.C. CODES
355
359
KEYWORDS
HIGH-SPEED CENTRIFUGES
HIGH-SPEED COMPACTING PRESSES
MACHINE DESIGN
PERSONNEL
5 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $550000.00

FACILITIES: MECHANICAL AND PROCESS MACHINE TESTING

BUILDINGS: HIGH BAY MECHANICAL TESTING LAB

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

905
SHENANGO INCORPORATED
WILLIAM LAUDER, DIRECTOR
RESEARCH AND DEVELOPMENT
3100 GRAND AVENUE, NEVILLE ISLAND
PITTSBURGH, PA 15225
ALLEGHENY COUNTY

SOUTHWEST DEVELOPMENT REGION
PHONE: 412-771-4400

N.C.E.S. CODES
40.070100
14.200000
S.I.C. CODES
332
331
KEYWORDS
METALLURGY AND FOUNDRY PROCESSES
IMPROVED SERVICE LIFE OF INGOT MOLDS
BLAST FURNACE AND COKE PLANT TECHNOLOGY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SMALL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

906
SHIPPENSBURG STATE COLLEGE
DR. R. A. BARR, DIRECTOR
BIOLOGY DEPARTMENT
F-201
SHIPPENSBURG, PA 17257
CUMBERLAND COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-532-1400

N.C.E.S. CODES
26.040100
26.030700
S.I.C. CODES
17
KEYWORDS
CELL BIOLOGY
PLANT PATHOLOGY
TISSUE CULTURE
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: GROWTH CHAMBERS, GREENHOUSE, LAMINAR FLOW HOOD, SEVERAL LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: FRUIT RESEARCH LABS IN BIGERVILLE

OUTPUTS: N/A

907
SHIPPENSBURG STATE COLLEGE
DR. STEVEN HOLOVIAK, DIRECTOR
FREHN CENTER FOR MANAGEMENT
350 SHIPPEN HALL
SHIPPENSBURG, PA 17257
CUMBERLAND COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-532-1430

N.C.E.S. CODES
6.010000
6.060000
6.180000
S.I.C. CODES
99
KEYWORDS
APPLIED BUSINESS
HUMAN RESOURCE DEVELOPMENT
BUSINESS MANAGEMENT
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2500.00
SOURCES: SSC FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $2500.00
SOURCES: SCC FOUNDATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: FACULTY PAPERS AND WORKSHOP PRESENTATIONS

908
SHIPPENSBURG STATE COLLEGE
DR. GORDON L. KIRKLAND, DIRECTOR
THE VERTEBRATE MUSEUM
FRANKLIN SCIENCE CENTER
SHIPPENSBURG, PA 17257
CUMBERLAND COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-532-1407

N.C.E.S. CODES
26.079900

26.060300
3.050300
S.I.C. CODES
841
KEYWORDS
SMALL MAMMALS
ECOLOGY
ZOOGEOGRAPHY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $9500.00
SOURCES: MIKLAUSEN-LIKAR GRANT; PROFESSIONAL DEVELOPMENT COMMISSION; SHIPPENSBURG STATE COLLEGE
PAST FUNDING
AVERAGE AMOUNT = $8000.00
SOURCES: U.S. FISH AND WILDLIFE SERVICE; MIKLAUSEN- LIKAR GRANT; G.L. KIRKLAND JR.

FACILITIES: 48 STEEL FIXTURE CO. STORAGE CASES; 1000 TRAPS

BUILDINGS: N/A

COLLECTIONS: MAMMOLOGY DIVISION LIBRARY OF SEVERAL THOUSAND REPRINTS, PLUS JOUNALS AND BOOKS

COOPERATIVE ARRANGEMENTS: PENNSYLVANIA GAME COMMISSION

OUTPUTS: TECHNICAL REPORTS AND OVER 40 RESEARCH REPORTS

909
SIDNEY M. CANTOR ASSOC.
DR. SIDNEY M. CANTOR, DIRECTOR
SIDNEY M. CANTOR ASSOC.
25 ROLLING ROAD
OVERBROOK HILLS, PA 19151
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-896-6805

N.C.E.S. CODES
1.040100
2.030100
30.000000
S.I.C. CODES
7
20
28
KEYWORDS
AGRICULTURAL PROCESSING
TECHNICAL CONSULTING
PROCESSING SYSTEMS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A DEVELOPMENT LIBRARY WITH ACCESS TO FEDERAL AND INTERNATIONAL RESOURCES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

910
SKELLY AND LOY
JOHN W. GUNNETT, DIRECTOR
SKELLY AND LOY
2601 NORTH FRONT STREET
HARRISBURG, PA 17110
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-232-0593

N.C.E.S. CODES
14.142100
14.140800
14.141400
S.I.C. CODES
12
11
KEYWORDS
COAL MINING
NEW EQUIPMENT DESIGN
COMPUTER SOFTWARE
PERSONNEL
33 RESEARCH PROFESSIONALS
11 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: PRIME COMPUTER, WATER AND SOILS LABS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

911
SKF INDUSTRIES, INC.
T.E. TALLIAN, DIRECTOR

SKF TECHNOLOGY SERVICES
1100 FIRST AVENUE
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-265-1900

N.C.E.S. CODES
14.180000
14.190000
14.110000
S.I.C. CODES
356
KEYWORDS
ROLLING BEARINGS
TRIBOLOGY
CONTACT MATERIALS
PERSONNEL
30 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
10 SUPPORT STAFF

FACILITIES: ONE INTERGRATED BEARING AND TRIBOLOGY RESEARCH AND DEVELOPMENT CENTER

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SMALL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

912
SKLAR, INC.
N/A, DIRECTOR
CONSULTANTS
7404 MOUNTAIN AVENUE
PHILADELPHIA, PA 19126
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 202-789-1770

N.C.E.S. CODES
6.020000
6.130100
11.050000
S.I.C. CODES
73
739
KEYWORDS
MICROCOMPUTER SOFTWARE
ENERGY PROJECTS
EVALUATION
PERSONNEL
3 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

CURRENT FUNDING
AVERAGE AMOUNT = $240000.00

FACILITIES: TWO MICROCOMPUTERS, TWO ON-LINE TERMINALS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

913
SLIPPERY ROCK STATE COLLEGE
DR. FRANCIS BRANNON, DIRECTOR
HUMAN PERFORMANCE LABORATORY
DEPARTMENT OF PHYSICAL EDUCATION
SLIPPERY ROCK, PA 16057
BUTLER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-794-7515

N.C.E.S. CODES
18.020500
18.102000
18.102200
S.I.C. CODES
809
892
KEYWORDS
PHYSICAL FITNESS
CARDIOVASCULAR FITNESS
O-2 UTILIZATION
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: TREADMILL, GAS ANALYZERS, HEART RATE MONITORS, EKG RECORDING INSTRUMENTS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: FITNESS REPORTS ON VARIOUS POPULATIONS

914
SLIPPERY ROCK STATE COLLEGE
DR. C. DOUGLAS CLINGER, DIRECTOR
KINESIOLOGY/BIOMECHANICS LABORATORY
DEPARTMENT OF PHYSICAL EDUCATION
SLIPPERY ROCK, PA 16057
BUTLER COUNTY

SOUTHWEST DEVELOPMENT REGION
PHONE: 412-794-7585

N.C.E.S. CODES
26.060100
26.069900
26.990000
S.I.C. CODES
809
892
KEYWORDS
BIOMECHANICS
KINESIOLOGY
HUMAN PERFORMANCE
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: HIGH SPEED CAMERA, VANGUARD MOTION ANALYZER, FORCE PLATE, LIGHT BEAM OSCILLOGRAPH

BUILDINGS: N/A

COLLECTIONS: SMALL RESEARCH LIBRARY WITH MONOGRAPHS AND RECENT MEDICAL JOURNALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

915
SMITHKLINE BECKMAN CORPORATION
DR. BRYCE DOUGLAS, DIRECTOR
CORPORATE SCIENCE & TECHNOLOGY
ONE FRANKLIN PLAZA, P.O. BOX 7929
PHILADELPHIA, PA 19101
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-751-5034

N.C.E.S. CODES
17.000000
2.020100
16.000000
S.I.C. CODES
283
75
KEYWORDS
HUMAN HEALTH
ANIMAL HEALTH
CURRENT FUNDING
AVERAGE AMOUNT = $200000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

916
SOABAR, AN AVERY INTERNATIONAL COMPANY
STANLEY C. CRANDALL, DIRECTOR
RESEARCH AND ENGINEERING DEPARTMENT
7722 DUNGAN ROAD
PHILADELPHIA, PA 19111
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-725-4700

N.C.E.S. CODES
14.000000
14.190000
40.050100
S.I.C. CODES
275
355
KEYWORDS
IMPRINTERS
COATED MATERIALS
LABELS
PERSONNEL
10 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
9 TECHNICAL STAFF
3 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

917
SOMMERS/ROSEN, INC.
ROBERT GERO, DIRECTOR
AUDIT OF PUBLIC RELATIONS AND ADV.
1405 LOCUST STREET
PHILADELPHIA, PA 19102
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-753-8943

N.C.E.S. CODES
9.050000
9.020000
S.I.C. CODES
489
731
KEYWORDS
COMMUNICATIONS
PUBLIC RELATIONS
ADVERTISING
PERSONNEL
2 RESEARCH PROFESSIONALS

8 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

918
SOUTHEASTERN PENNSYLVANIA TRANSPORTATION
AUTHORITY
MARY MACINNES, DIRECTOR
TRANSIT RESEARCH
841 CHESTNUT STREET
PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-574-7977

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
OPERATIONS PLANNING
COST-EFFECTIVENESS
PERSONNEL
5 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF 4000 VOLUMES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

919
SPANG & COMPANY
DR. ALEX GOLDMAN, DIRECTOR
CORPORATE RESEARCH DEPARTMENT
P.O. BOX 751
BUTLER, PA 16001
BUTLER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-282-8282

N.C.E.S. CODES
14.200000
14.180000
14.100000
S.I.C. CODES
334
367
349
KEYWORDS
ALLOY DEVELOPMENT
CERAMIC RESEARCH
COMPUTER PROGRAMMED POWER CONTROLS
PERSONNEL
10 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
19 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1500000.00

FACILITIES: S.E.M., X-RAY DIFFRACTION, X-RAY FLUR., D-C PLASMA, SPECTROGRAPH, WIDE RANGE OF ELECTRICAL AND PHYSICAL TESTING EQUIPMENT, VACUUM MELTING, HOT ROLLING, POWDER METALLURGY MELT

BUILDINGS: PILOT PLANTS FOR METALS, CERAMICS AND WASTE ACID PURIFICATION AND REGENERATION

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

920
SPARKOMATIC CORPORATION
JOHN CASTAGNA, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
RT. 6 AND 209
MILFORD, PA 18337
PIKE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-296-6444

N.C.E.S. CODES
14.100000
10.019900
10.010400
S.I.C. CODES
365
366
KEYWORDS
CAR STEREO
AUTO ELECTRONICS
PERSONNEL
3 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $750000.00

FACILITIES: ANECHOIC CHAMBER, SCREEN ROOM

BUILDINGS: N/A

COLLECTIONS: COMPLETE ELECTRONIC AND LSI, IC, COLLECTION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

921
SPERRY NEW HOLLAND
ROBERT A. WAGSTAFF, DIRECTOR
ENGINEERING DIVISION
500 DILLER AVENUE
NEW HOLLAND, PA 17557
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-354-1301

N.C.E.S. CODES
1.020400
S.I.C. CODES
352
KEYWORDS
AGRICULTURAL EQUIPMENT
HARVESTING EQUIPMENT
EQUIPMENT DESIGN
PERSONNEL
7 RESEARCH PROFESSIONALS
76 SUPPORT PROFESSIONALS
57 TECHNICAL STAFF
215 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $18000000.00

FACILITIES: COMPLETE PROTOTYPE SHOP, EXTENSIVE LABORATORY TEST FACILITIES, AND EQUIPMENT FOR MECHANICAL TESTING

BUILDINGS: N/A

COLLECTIONS: SMALL TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: WITH MICHIGAN STATE UNIVERSITY; USDA STATIONS AT TIFTON, GA, AND BELGLADE, FL; CLEMSON UNIVERSITY; UNIVERSITY OF NEBRASKA; LOUISIANA STATE UNIVERSITY; UNIVERSITY OF KENTUCKY; AND PENNSYLVANIA STATE UNIVERSITY

OUTPUTS: N/A

922
SPROUT-WALDRON DIVISION / KOPPERS CO., INC.
FRED WHITE, DIRECTOR
DESIGN AND DEVELOPMENT
N/A
MUNCY, PA 17756
LYCOMING COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-546-8211

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
PROCESSING MACHINERY DESIGN
MACHINERY MANUFACTURE
PERSONNEL
20 RESEARCH PROFESSIONALS
30 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1367000.00

BUILDINGS: DEMONSTRATION LABORATORY

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

923
SPS TECHNOLOGIES
DR. HARRY W. ANTES, DIRECTOR
SPS LABORATORIES
HIGHLAND AVENUE
JENKINTOWN, PA 19046
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: N/A

N.C.E.S. CODES
14.190000
14.200000
14.100000
S.I.C. CODES
345
346
344
KEYWORDS
PRECISION FASTENERS
JOINT CONTROL TIGHTENING
MATERIALS HANDLING
PERSONNEL
18 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1600000.00

FACILITIES: 2 X 10(6) POUND FATIGUE TESTING MACHINE, SEM, MICROPROBE, MATERIALS TESTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: A COMPLETE LIBRARY ON FASTENERS

COOPERATIVE ARRANGEMENTS: WITH THE UNIVERSITY OF PENNSYLVANIA, MONTGOMERY COUNTY COMMUNITY COLLEGE AND PENNSYLVANIA STATE UNIVESITY- OGONTZ CAMPUS

OUTPUTS: N/A

924
ST. CHRISTOPHER'S HOSPITAL FOR CHILDREN
DR. DONALD P. PINKEL, DIRECTOR
ST. CHRISTOPHER'S HOSPITAL FOR CHILDREN
5TH & LEHIGH AVENUE
PHILADELPHIA, PA 19133
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-427-5000

N.C.E.S. CODES
  18.101900
  18.119900
  18.102700
S.I.C. CODES
  99
KEYWORDS
  TREATMENT PROTOCOLS
  DRUG REGIMENS
  DISEASE RESEARCH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

925
ST. FRANCIS GENERAL HOSPITAL
DR. DAVID ELKON, DIRECTOR
THERMOTOLERANCE INDUCTION IN MURINE STEM CELLS AND LEUKEMIA
RADIATION ONCOLOGY DEPARTMENT, 45TH STREET
PITTSBURGH, PA 15201
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-622-4051

N.C.E.S. CODES
  18.102500
S.I.C. CODES
  809
KEYWORDS
  CANCER
  HYPERTHERMIA
  RADIATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $70000.00

FACILITIES: LABORATORY, TISSUE CULTURE FACILITY, VIVARIUM

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

926
ST. VINCENT COLLEGE
DR. JAROSLAV SLEZAK, DIRECTOR
SOLAR RADIO OBSERVATORY, STATION "SID-SVC-A19"
DEPARTMENT OF PHYSICS ROOM P202
LATROBE, PA 15650
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-539-9761 EXT. 364

N.C.E.S. CODES
  40.030000
  40.040000
  40.079900
S.I.C. CODES
  365
  367
KEYWORDS
  IONOSPHERIC PHENOMENA
  FLARES
  SID
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF

FACILITIES: RADIO TELESCOPES, CHART RECORDERS, ANTENNAS, FREQUENCY METERS, MULTIMETERS, AND OTHER TESTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: REPORTS AND FINDINGS REPORTED TO THE SOLAR DIVISION OF THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS; FINAL REPORT TO THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION/ENVIRONMENTAL DATA AND INFORMATION SERVICE; DATA PUBLISHED IN SOLAR- GEOPHYSICAL DATA

927
STACKPOLE BOOKS
HENRY A. HAMEL, DIRECTOR
STACKPOLE BOOKS
CAMERON & KELKER STREETS
HARRISBURG, PA 17105
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-234-5041

N.C.E.S. CODES
  6.140200
  6.140100
  11.020000
S.I.C. CODES
  272
  273
  274
KEYWORDS
  BOOK DISTRIBUTION
  INVENTORY CONTROLS
  BOOK PUBLISHING APPLICATIONS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

928
STELCOM INTERNATIONAL, INC.
MR. STANLEY ZEBROWITZ, DIRECTOR
STELCOM INTERNATIONAL, INC.
P.O. BOX 236
ORELAND, PA 19075
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-233-2613

N.C.E.S. CODES
  14.100000
  14.090000
  14.270000
S.I.C. CODES
  481
  891
  489
KEYWORDS
  ENGINEERING SPECIFICATIONS
  TECHNICAL EVALUATIONS
  PLANS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

929
STIGELMAN ASSOC. INC.
C.R. STIGELMAN, DIRECTOR
STIGELMAN ASSOC. INC.
P.O. BOX 124
SWARTHMORE, PA 19081
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-328-0325

N.C.E.S. CODES
  8.020000
S.I.C. CODES
  739
KEYWORDS
  PROCESS DESIGN
  PRODUCT CONCEPTS
PERSONNEL
  10 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

930
STRATEGIC ANALYSIS INC.
FRODE NORDHOY, DIRECTOR
STRATEGIC ANALYSIS INC.
2525 PROSPECT STREET
READING, PA 19606
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-779-2800

N.C.E.S. CODES
  0

S.I.C. CODES
281
289
KEYWORDS
STUDIES
REPORTS
EVALUATIONS
PERSONNEL
11 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

931
STRATEGIC MARKETING CORPORATION
JULIET G. ZIMMERMAN, DIRECTOR
STRATEGIC MARKETING CORPORATION
P.O. BOX 25
MERION STATION, PA 19066
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-667-1649

N.C.E.S. CODES
6.140200
8.990000
9.030000
S.I.C. CODES
99
KEYWORDS
MEDICAL MARKETING RESEARCH
HOSPITAL CONSULTING
STRATEGIC PLANNING
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WHARTON GRADUATE SCHOOL

OUTPUTS: N/A

932
STRAWBRIDGE & CLOTHIER
WILLIAM G. ROSE, DIRECTOR
RESEARCH DEPARTMENT
801 MARKET STREET
PHILADELPHIA, PA 19105
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-629-6325

N.C.E.S. CODES
6.010000
6.140000
8.010000
S.I.C. CODES
531
KEYWORDS
SALES FORECASTING
DEMOGRAPHIC ANALYSIS
REAL ESTATE NEGOTIATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $65000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

933
STRUCTURE PROBE, INC.
CHARLES A. GARBER, DIRECTOR
STRUCTURE PROBE, INC.
P.O. BOX 342
WEST CHESTER, PA 19380
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-436-5400

N.C.E.S. CODES
14.180000
14.130000
14.200000
S.I.C. CODES
739
KEYWORDS
INDEPENDENT LABORATORY
PERSONNEL
10 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

FACILITIES: SCANNING ELECTRON MICROSCOPE, ELECTRON MICROPROBE, TRANSMISSION ELECTRON MICROSCOPE, ANALYTICAL STEM, LIGHT MICROSCOPY, ELECTRON SPECTROSCOPY, XPS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

934
SUN TECH, INC.
SHELDON L. THOMPSON, DIRECTOR
APPLIED RESEARCH & DEVELOPMENT
P.O. BOX 1135
MARCUS HOOK, PA 19061-0835
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-447-1776

N.C.E.S. CODES
14.070000
40.050200
40.050400
S.I.C. CODES
291
299
KEYWORDS
PRODUCT DEVELOPMENT
PROCESS DEVELOPMENT
TECHNICAL SERVICE
PERSONNEL
117 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
129 TECHNICAL STAFF
47 SUPPORT STAFF

FACILITIES: AUTOMOTIVE CHASSIS DYNAMOMETER, PETROLEUM REFINERY PILOT PLANTS, CUSTOM FUEL BLENDING PLANT

BUILDINGS: R & D BUILDING AND AUTOMOTIVE LABORATORY

COLLECTIONS: TECHNICAL AND BUSINESS LIBRARY CONTAINS 64000 VOLUMES AND 9000 REELS OF MICROFILM

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

935
SUPELCO, INC.
NICHOLAS PELICK, DIRECTOR
RESEARCH & DEVELOPMENT UNIT
SUPELCO PARK
BELLEFONTE, PA 16823
CENTRE COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 814-359-2732

N.C.E.S. CODES
18.020200
40.050200
40.050400
S.I.C. CODES
286
381
KEYWORDS
CHROMATOGRAPHY
PACKED, CAPILLARY AND LIQUID COLUMNS
REAGENTS
PERSONNEL
14 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
45 TECHNICAL STAFF
11 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

FACILITIES: WELL EQIUPPED LABS WITH MODERN CHROMATOGRAPHY AND ANALYTICAL EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

936
SWARTHMORE COLLEGE
DR. ARTHUR MCGARITY, DIRECTOR
DEPARTMENT OF ENGINEERING
DEPARTMENT OF ENGINEERING
SWARTHMORE, PA 19081
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-447-7071

N.C.E.S. CODES
3.010000
14.000000
S.I.C. CODES
152
154
951
KEYWORDS
SOLAR ENERGY SYSTEMS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARGONNE NATIONAL LABS IN CHICAGO, IL

OUTPUTS: RESEARCH REPORTS AND PAPERS

937
SWARTHMORE COLLEGE
DR. HANS WALLACH, DIRECTOR
DEPARTMENT OF PSYCHOLOGY
DEPARTMENT OF PSYCHOLOGY
SWARTHMORE, PA 19081
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-447-7436

N.C.E.S. CODES
  42.070000
  42.000000
S.I.C. CODES
  99
KEYWORDS
  PERCEPTUAL ADAPTATIONS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $63105.00
  SOURCES: NATIONAL INSTITUTE OF MENTAL HEALTH
PAST FUNDING
  AVERAGE AMOUNT = $58260.00
  SOURCES: NATIONAL INSTITUTE OF MENTAL HEALTH

FACILITIES: LABORATORY IN THE PSYCHOLOGY DEPARTMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH PAPERS

938
SWARTHMORE COLLEGE
DR. JENNIE KEITH, DIRECTOR
PROJECT A.G. (AGE, GENERATION, EXPERIENCE)
DEPARTMENT OF SOCIOLOGY/ANTHROPOLOGY
SWARTHMORE, PA 19081
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-447-7093

N.C.E.S. CODES
  42.040000
  42.160000
S.I.C. CODES
  944
  951
  953
KEYWORDS
  OLD AGE
  GENERATION
PERSONNEL
  4 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $246251.00
  SOURCES: NATIONAL INSTITUTE OF AGING: SWARTHMORE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: DR. CHRISTINE FRY AT LOYOLA UNIVERSITY OF CHICAGO

OUTPUTS: N/A

939
SWARTHMORE COLLEGE
DR. JOHN E. GAUSTAD, DIRECTOR
SPROUL OBSERVATORY
DEPARTMENT OF ASTRONOMY
SWARTHMORE, PA 19081/L DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-447-7271

N.C.E.S. CODES
  40.020000
S.I.C. CODES
  99
KEYWORDS
  ASTRONOMY OF NEARBY STARS
  PARALLAX
  STELLAR MASSES
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $76141.00
  SOURCES: NATIONAL SCIENCE FOUNDATION

FACILITIES: SPROUL 61 CM REFRACTOR, GRANT PLATE MEASURING MACHINE

BUILDINGS: SPROUL OBSERVATORY

COLLECTIONS: SPROUL OBSERVATORY LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

940
SYNTHANE-TAYLOR CORPORATION, AN ALCO STANDARD COMPANY
E.J. KUNTZ, DIRECTOR
PRODUCT DEVELOPMENT/PROCESS ENGINEERING
P.O. BOX O
OAKS, PA 19456
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-666-0300

N.C.E.S. CODES
6.040300
S.I.C. CODES
30
307
9
KEYWORDS
INDUSTRIAL LAMINATES
PLASTICS MATERIALS PRODUCTS
MULTIPLE RESIN SYSTEMS
PERSONNEL
2 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $375000.00

FACILITIES: PILOT COATER FOR IMPREGNATION OF MULTIPLE TYPES OF WEBS OF RESIN

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

941
SYSTEM DEVELOPMENT CORP. - A BURROUGHS COMPANY
DR. EARL W. REIGEL, DIRECTOR
RESEARCH AND DEVELOPMENT DIVISION
P.O. BOX 517
PAOLI, PA 19301
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-648-7421

N.C.E.S. CODES
14.100000
30.030000
14.170000
S.I.C. CODES
971
737
892
KEYWORDS
PROGRAM GENERATION TECHIQUES
INFORMATION MODELING
DISTRIBUTED SYSTEMS SECURITY
PERSONNEL
14 RESEARCH PROFESSIONALS
11 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3000000.00

FACILITIES: COMPUTER LAB; VAX 11/780, LISP MACHINE, COLORGRAPHICS TERMINAL, 40 TERMINALS

BUILDINGS: N/A

COLLECTIONS: RESEARCH AND DEVELOPMENT LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

942
SYSTEMS DESIGN AND DEVELOPMENT CORPORATION
MR. REX M. KALLINEY, DIRECTOR
SYSTEMS DESIGN AND DEVELOPMENT CORPORATION
28 WEST BALTIMORE AVENUE
MEDIA, PA 19063
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-565-5660

N.C.E.S. CODES
11.050000
11.030000
11.020000
S.I.C. CODES
737
KEYWORDS
INTERACTIVE PROCESS
SOFTWARE
TELECOMMUNICATION
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400000.00

FACILITIES: WANG VS80 COMPUTER AND TERMINALS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

943
SYSTEMS ENGINEERING FOR POWER, INC.
L.H. FINK. DIRECTOR
SYSTEMS ENGINEERING FOR POWER, INC.
226 MAPLE AVENUE W
VIENNA, VA 22180
COUNTY
DEVELOPMENT REGION
PHONE: 703-281-0241

N.C.E.S. CODES
14.270000
14.130000
14.100000
S.I.C. CODES
899
KEYWORDS
SYSTEM ANALYSIS TECHNIQUES
CONTROL STRUCTURE SYNTHESIS
SIGNAL PROCESSING
PERSONNEL
6 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00

FACILITIES: VAX 11/750 COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

944
TACTEC SYSTEMS, INC.
B. AUTRY, DIRECTOR
DESIGN ENGINEERING
N/A
MEADOW LANDS, PA 15347
WASHINGTON COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-228-6432

N.C.E.S. CODES
10.019900
14.100000
14.270000
S.I.C. CODES
366
367
KEYWORDS
COMMUNICATIONS
TWO-WAY RADIO
HYBRID MFG.
PERSONNEL
8 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1800000.00

FACILITIES: ELECTRONIC ASSEMBLY AND TEST FACILITIES; CERAMIC HYBRID MODULE ASSEMBLY AND TEST FACILITIES

BUILDINGS: ADMINISTRATION, MANUFACTURING AND WAREHOUSING BUILDINGS

COLLECTIONS: MAINTAINS AN ENGINEERING LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

945
TARKETT INC.
DR. GEORGE R. FERMENT, DIRECTOR
SHEET VINYL RESEARCH & DEVELOPMENT
1139 LEHIGH AVENUE
WHITEHALL, PA 18052
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-266-5529

N.C.E.S. CODES
40.050000
40.050600
14.070000
S.I.C. CODES
282
KEYWORDS
FLOORING DEVELOPMENT
PERSONNEL
7 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

946
TECHNICAL DEVELOPMENT
PAUL HOWARD, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
24 EAST GLENOLDEN AVENUE
GLENOLDEN, PA 19036
DELAWARE COUNTY

DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-583-9400

N.C.E.S. CODES
14.020000
S.I.C. CODES
372
KEYWORDS
NEW PRODUCTS
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $288000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

947
TEK ASSOCIATES INC.
N/A, DIRECTOR
TEK ASSOCIATES INC.
BOX 652
MEDIA, PA 19063
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-566-1359

N.C.E.S. CODES
14.250000
40.059900
S.I.C. CODES
291
KEYWORDS
DESIGN METHODS
DEVELOPMENT

FACILITIES: COMPUTER

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE SPECIALIZED LIBRARY

COOPERATIVE ARRANGEMENTS: WITH MAJOR COMPANIES SERVED

OUTPUTS: N/A

948
TELEDYNE LANDIS MACHINE
G. EIGENBLODE, DIRECTOR
ENGINEERING DEPARTMENT
CHURCH AND FIFTH STREET
WAYNESBORO, PA 17268
FRANKLIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-762-3151

N.C.E.S. CODES
14.190000
14.200000
S.I.C. CODES
354
KEYWORDS
NEW PRODUCT DEVELOPMENT
HEAT TREATMENT
PERSONNEL
3 RESEARCH PROFESSIONALS
20 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

949
TELEDYNE PENN-UNION
WILLIAM C. MARTIN, DIRECTOR
COMPANY LABORATORY
229 WATERFORD STREET
EDINBORO, PA 16412
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-734-1631

N.C.E.S. CODES
14.100000
S.I.C. CODES
336
361
KEYWORDS
ELECTRICAL CONNECTORS
ELECTRICAL AND MECHANICAL TESTING
PERSONNEL
2 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: FACILITIES TO HEAT CYCLE ELECTRICAL CONNECTORS TO THE REQUIREMENTS OF INDUSTRY SPECIFICATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

950
TELEDYNE VASCO
A.M. BAYER, DIRECTOR
TELEDYNE VASCO
P.O. BOX 151
LATROBE, PA 15650
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-539-6736

N.C.E.S. CODES
14.200000
S.I.C. CODES
331
KEYWORDS
HIGH SPEED STEELS
MARAGING STEELS
SPECIALTY STEELS
PERSONNEL
4 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $800000.00

FACILITIES: EXPERIMENTAL MELTING EQUIPMENT; ASSORTED MECHANICAL TESTING EQUIPMENT; METALLOGRAPH; HEAT TREATING FURNACES

BUILDINGS: RESEARCH AND DEVELOPMENT/QUALITY CONTROL BUILDING

COLLECTIONS: MAINTAINS AN EXTENSIVE COMPANY TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH M & M, INC.

OUTPUTS: N/A

951
TEMPAL CORPORATION
N/A, DIRECTOR
TEMPAL CORPORATION
P.O. BOX 20
ST. DAVIDS, PA 19087
WAYNE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 215-527-0814

N.C.E.S. CODES
6.040000
6.120000
6.170700
S.I.C. CODES
99
KEYWORDS
MANAGEMENT CONSULTING
PROFIT PROJECTIONS
STATISTICAL DATA ANALYSIS
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $425000.00

FACILITIES: COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

952
TEMPLE UNIVERSITY
DR. R. TYSON, DIRECTOR
AGNES BARR CHASE SURGICAL RESEARCH FOUNDATION
3400 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-3705

N.C.E.S. CODES
18.102700
S.I.C. CODES
99
KEYWORDS
ARTIFICIAL HEART DEVELOPMENT
SURGICAL RESEARCH
PERSONNEL
0 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00
SOURCES: CHASE RESEARCH FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $50000.00
SOURCES: CHASE RESEARCH FOUNDATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

953
TEMPLE UNIVERSITY
DR. ROBERT J. FILEWICH, DIRECTOR
BEHAVIORAL SCIENCES
DEPARTMENT OF COMMUNITY DENTISTRY, ROOM 418,
SCHOOL OF DENTISTRY, 3223 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-2881

N.C.E.S. CODES
  17.010000
  17.040000
  18.040200
S.I.C. CODES
  99
KEYWORDS
  DENTALPHOBIA
  ANXIETY REDUCTION
  DENTIST ATTITUDE
PERSONNEL
  2 RESEARCH PROFESSIONALS
  10 SUPPORT PROFESSIONALS
  7 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $35388.00
  SOURCES: NATIONAL INSTITUTE FOR DENTAL RESEARCH (PHS)
PAST FUNDING
  AVERAGE AMOUNT = $34918.00
  SOURCES: NATIONAL INSTITUTE FOR DENTAL RESEARCH (PHS)

FACILITIES: UTILIZES THE DENTAL SCHOOL AND CLINICS FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SYSTEMATIC DESENSITIZATION PROGRAM

954
TEMPLE UNIVERSITY
DR. ZEB KENDRICK, DIRECTOR
BIOKINETICS RESEARCH LABORATORY
PEARSON HALL
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-8790

N.C.E.S. CODES
  26.060100
  18.020500
  26.070600
S.I.C. CODES
  809
KEYWORDS
  EXERCISE PHYSIOLOGY
  SPORTS MEDICINE
  FITNESS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $10000.00
  SOURCES: AMERICAN HEART GRANT

FACILITIES: COMPLETE BIOKINETICS RESEARCH FACILITY WITH ENVIRONMENTAL CHAMBER, MOTION ANALYSIS, BLOOD CHEMISTRY LAB, AND ADULT FITNESS CENTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH SPORTS MEDICINE CENTER AT TEMPLE HOSPITAL AND THE DEPARTMENT OF PHYSIOLOGY AT TEMPLE MEDICAL SCHOOL

OUTPUTS: RESEARCH PAPERS

955
TEMPLE UNIVERSITY
GEORGE BARAN, DIRECTOR
BIOMATERIALS RESEARCH
3223 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-2890

N.C.E.S. CODES
  14.050000
  14.180000
  40.070100
S.I.C. CODES
  384
KEYWORDS
  BIOMATERIALS
  NI-CR ALLOYS
  METAL AND CERAMIC BONDING
PERSONNEL
  1 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $22000.00
  SOURCES: NIH/NIDR
PAST FUNDING
  AVERAGE AMOUNT = $24000.00
  SOURCES: NIH/NIDR

FACILITIES: LABORATORY FOR PREPARATION OF METAL, CERAMIC AND POLYMER SPECIMENS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH SELECTED PROFESSIONALS AT THE UNIVERSITY OF PENNSYLVANIA LABORATORY FOR RESEARCH ON THE STRUCTURE OF MATTER

OUTPUTS: SEVERAL ARTICLES IN PROFESSIONAL JOURNALS

956
TEMPLE UNIVERSITY
DR. JAMES P. SMITH, DIRECTOR
CENTER FOR IMPROVING HIGHER EDUCATION FOR STUDENTS WITH DISABILITIES
271 WEISS HALL, 13TH AND COLUMBIA AVENUE
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-1590

N.C.E.S. CODES
  0
S.I.C. CODES
  99
KEYWORDS
  INSTRUCTION OF THE DISABLED
  COLLEGE SERVICES
  AWARENESS OF THE DISABLED
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ANNUAL REPORTS; THE DEVELOPMENT OF 10 TRAINING MODULES

957
TEMPLE UNIVERSITY
PROFESSOR DANIEL J. ELAZAR, DIRECTOR
CENTER FOR STUDY OF FEDERALISM
N/A
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-7784

N.C.E.S. CODES
  45.100100
  44.010000
  44.050000
S.I.C. CODES
  919
  941
KEYWORDS
  POLITICAL SCIENCE
  FEDERALISM
  COMPARATIVE POLITICS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $200000.00
  SOURCES: TEMPLE UNIVERSITY; NATIONAL INSTITUTE OF EDUCATION; EDUCATION COMMISSION OF THE STATES; NATIONAL ENDOWMENT FOR THE HUMANITIES; GULF OIL; US STEEL
PAST FUNDING
  AVERAGE AMOUNT = $200000.00
  SOURCES: TEMPLE UNIVERSITY; NATIONAL INSTITUTE OF EDUCATION; EDUCATION COMMISSION OF THE STATES; NATIONAL ENDOWMENT FOR THE HUMANITIES; GULF OIL; US STEEL

FACILITIES: OFFICES IN PHILADELPHIA, PA; BASTE, SWITZERLAND; AND JERUSALEM, ISRAEL

BUILDINGS: N/A

COLLECTIONS: LIBRARY COLLECTION ON FEDERALISM; ARCHIVES OF FEDERALISM

COOPERATIVE ARRANGEMENTS: WITH A VARIETY OF U.S. AND FOREIGN RESEARCH CENTERS

OUTPUTS: TECHNICAL REPORTS; WORKING PAPERS AND CONFERENCE REPORTS; BOOKS; MONOGRAPHS; "PUBLIUS", A QUARTERLY JOURNAL; CONFERENCES, WORKSHOPS AND SEMINARS

958
TEMPLE UNIVERSITY
DR. HANS SCHOTT, DIRECTOR
COLLOID, SURFACE AND POLYMER CHEMISTRY
SCHOOL OF PHARMACY, 3307 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4942

N.C.E.S. CODES
  40.050600
  18.140000
  40.050500

S.I.C. CODES
  283
  284
  381
KEYWORDS
  SURFACTANTS
  EMULSIONS
  SOLUBILIZATION
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $27800.00
  SOURCES: NATIONAL INSTITUTES OF HEALTH;
    ALUMNUS CONTRIBUTION
PAST FUNDING
  AVERAGE AMOUNT = $24600.00
  SOURCES: NATIONAL INSTITUTES OF HEALTH

FACILITIES: BENCH-SCALE AND PILOT PLANT EQUIPMENT FOR PREPARING EMULSIONS AND SUSPENSIONS; INSTRUMENTS FOR OPTICAL AND RHEOLOGICAL AND CENTRIFUGAL CHARACTERIZATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL JOURNAL ARTICLES, INCLUDING AN INTERNATIONAL JOURNAL; A PATENT PENDING

959
TEMPLE UNIVERSITY
DR. GLENN E. SNELBECKER, DIRECTOR
COMPUTER-BASED EDUCATION AND INSTRUCTIONAL DESIGN PROJECT
RITTER ANNEX 617, DEPARTMENT OF EDUCATIONAL PSYCHOLOGY
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6109

N.C.E.S. CODES
  42.030000
  42.070000
  11.040000
S.I.C. CODES
  99
KEYWORDS
  INSTRUCTIONAL DESIGN AND DEVELOPMENT
  COMPUTER-BASED EDUCATION
  HUMAN RESOURCE DEVELOPMENT

BUILDINGS: N/A

COLLECTIONS: INFORMATION ABOUT STATE-OF-THE-ART INSTRUCTIONAL THEORY AND INSTRUCTIONAL DESIGN STRATEGIES AND TECHNIQUES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 35 PROFESSIONAL JOURNAL ARTICLES AND PAPERS; WORKSHOPS

960
TEMPLE UNIVERSITY
THOMAS V. BUSSE, DIRECTOR
CREATIVITY IN SCIENCE
N/A
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6104

N.C.E.S. CODES
  0
S.I.C. CODES
  99
KEYWORDS
  CREATIVITY STUDIES
  CREATIVITY IN SCIENCE
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES AND A BOOK

961
TEMPLE UNIVERSITY
DR. R. TROYER, DIRECTOR
DEPARTMENT OF ANATOMY
3400 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-3161

N.C.E.S. CODES
  26.060100
  26.040100
  26.060800
S.I.C. CODES
  382
  383
  386

KEYWORDS
MORPHOLOGY
CELL BIOLOGY
NEUROSCIENCES
PERSONNEL
16 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
9 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $273683.00
SOURCES: NIH; FORD-MELLON FOUNDATION; AMERICAN HEART ASSOCIATION
PAST FUNDING
AVERAGE AMOUNT = $227864.00
SOURCES: NIH; MUSCULAR DYSTROPHY ASSOCIATION; ACS

FACILITIES: SCANNING AND TRANSMISSION ELECTRON MICROSCOPY; FREEZE ETCH; TISSUE CULTURE FACILITY; LIQUID SCINTILLATION COUNTER

BUILDINGS: N/A

COLLECTIONS: RAYMOND C. TRUEX CARDIAC CONDUCTION SLIDE COLLECTION AND LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: COMPUTERIZED MORPHOMETRIC ANALYSIS; SCANNING ELECTRON MICROSCOPY ANALYSIS

962
TEMPLE UNIVERSITY
DR. G.W.E. PLAUT, DIRECTOR
DEPARTMENT OF BIOCHEMISTRY
3400 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-3263

N.C.E.S. CODES
26.020000
26.040200
26.060900
S.I.C. CODES
809
KEYWORDS
BIOCHEMISTRY
MOLECULAR BIOLOGY
NUTRITIONAL SCIENCES
PERSONNEL
13 RESEARCH PROFESSIONALS
18 SUPPORT PROFESSIONALS
33 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1711032.00
SOURCES: TEMPLE UNIVERSITY; NIH; NSF; NON-PROFIT AGENCIES
PAST FUNDING
AVERAGE AMOUNT = $1650098.00
SOURCES: TEMPLE UNIVERSITY; NIH; NSF; NON-PROFIT AGENCIES

FACILITIES: BIOCHEMICAL RESEARCH INSTRUMENTS

BUILDINGS: N/A

COLLECTIONS: DEPARTMENTAL LIBRARY WITH BOOKS, JOURNALS AND VARIOUS PERIODICALS

COOPERATIVE ARRANGEMENTS: PHILADELPHIA AREA COOPERATIVE GRADUATE PROGRAM IN BIOCHEMISTRY; ARRANGEMENTS BY INDIVIDUAL FACULTY MEMBERS TO USE INSTRUMENTATION AT OTHER UNIVERSITIES

OUTPUTS: OVER 200 PUBLICATIONS

963
TEMPLE UNIVERSITY
DR. GEORGE H. MANAKER, DIRECTOR
DEPARTMENT OF HORTICULTURE AND LANDSCAPE DESIGN
AMBLER CAMPUS
AMBLER, PA 19002
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-643-1200

N.C.E.S. CODES
1.060100
1.060500
1.060300
S.I.C. CODES
99
KEYWORDS
GARDENING
HORTICULTURE
PERSONNEL
6 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $375000.00
SOURCES: TEMPLE UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $376000.00
SOURCES: TEMPLE UNIVERSITY

FACILITIES: LARGE GREENHOUSES; 10 ACRES OF OUTDOOR LABORATORY

BUILDINGS: N/A

COLLECTIONS: THE BUSH-BROWN COLLECTION OF RARE HERBALS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: BOOKS AND BOOK SECTIONS PUBLICATIONS; INFORMATION SHEETS; ARTICLES IN PROFESSIONAL AND TRADE PUBLICATIONS

964
TEMPLE UNIVERSITY
DR. S. SHERRY, DIRECTOR
DEPARTMENT OF INTERNAL MEDICINE
3400 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4081

N.C.E.S. CODES
18.101000
18.020500
26.060500
S.I.C. CODES
283
801
808
KEYWORDS
CLINICAL RESEARCH
DRUG EVALUATION
BIOMEDICAL INSTRUMENTATION
PERSONNEL
35 RESEARCH PROFESSIONALS
25 SUPPORT PROFESSIONALS
25 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4100000.00
SOURCES: NIH; AMERICAN HEART ASSOCIATION; AMERICAN CANCER SOCIETY; PHARMACEUTICAL FIRMS; AMERICAN LUNG ASSOCIATION; AMERICAN DIABETES ASSOCIATION; PRIVATE FOUNDATION; TEMPLE UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $3450000.00
SOURCES: NIH; AMERICAN HEART ASSOCIATION; AMERICAN CANCER SOCIETY; PHARMACEUTICAL FIRMS; AMERICAN LUNG ASSOCIATION; AMERICAN DIABETES ASSOCIATION; PRIVATE FOUNDATION; TEMPLE UNIVERSITY

FACILITIES: MULTIPLE WELL EQUIPPED RESEARCH LABORATORIES, CLINICAL RESEARCH CENTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH PUBLICATIONS

965
TEMPLE UNIVERSITY
DR. G.D. SHOCKMAN, DIRECTOR
DEPARTMENT OF MICROBIOLOGY
3400 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-3207

N.C.E.S. CODES
26.050000
18.020300
18.100900
S.I.C. CODES
806
283
807
KEYWORDS
MICROBIOLOGY
MOLECULAR BIOLOGY
IMMUNOLOGY
PERSONNEL
15 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
39 TECHNICAL STAFF
7 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $641591.00
SOURCES: NATIONAL INSTITUTES OF HEALTH; NATIONAL SCIENCE FOUNDATION; BRISTOL LABORATORIES; WILLS FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $704642.00
SOURCES: NATIONAL INSTITUTES OF HEALTH; NATIONAL SCIENCE FOUNDATION; SMITH, KLINE & FRENCH

FACILITIES: HITACHI H600-2 TRANSMISSION AND HIGH RESOLUTION SCANNING ELECTRON MICROSCOPE; LIQUID SCINTILLATION SPECTROMETER INTERFACED WITH PDP8 COMPUTER; MEDICAL SCHOOL ANIMAL COLONY; AVAILABLE SERVICES OF MEDICAL COMMUNICATION DEPARTMENT AS WELL AS MACHINE SHOP AND MEDICAL-PHYSICS DEPARTMENT

BUILDINGS: N/A

COLLECTIONS: DEPARTMENTAL LIBRARY

COOPERATIVE ARRANGEMENTS: JOINT NIH GRANT WITH THE PATHOLOGY DEPARTMENT; WORKING ARRANGEMENTS WITH FELS RESEARCH INSTITUTE

OUTPUTS: VACCINE CONTRACT WITH NIH; DEVELOPMENT AND PATENT OF THE C TEST FOR THE LABORATORY DIAGNOSIS OF GONORRHEA

966
TEMPLE UNIVERSITY
DR. J.W. LACHMAN, DIRECTOR

DEPARTMENT OF ORTHOPEDIC SURGERY
3400 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: N/A

N.C.E.S. CODES
26.020000
26.060600
18.101600
S.I.C. CODES
99
KEYWORDS
ORTHOPEDIC
BIOCHEMISTRY
ENDOCHONDRAL GROWTH
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $80000.00
SOURCES: NIH; TEMPLE UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $80000.00
SOURCES: NIH

FACILITIES: STANDARD BIOCHEMICAL AND HISTOLOGICAL EQUIPMENT, INCLUDING DARK ROOM

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PROFESSIONAL JOURNAL ARTICLE; ABSTRACTS

967
TEMPLE UNIVERSITY
DR. R. BASERGA, DIRECTOR
DEPARTMENT OF PATHOLOGY
3400 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-3257

N.C.E.S. CODES
26.040000
26.049900
S.I.C. CODES
99
KEYWORDS
GENES
GENE PRODUCTS
GROWTH CONTROL
PERSONNEL
9 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400000.00
SOURCES: NATIONAL INSTITUTES OF HEALTH
PAST FUNDING
AVERAGE AMOUNT = $400000.00
SOURCES: NATIONAL INSTITUTES OF HEALTH

FACILITIES: SPECTROPOLARIMETER; FLOW MICROFLUORIMETER; MICROINJECTION FACILITIES; ZONAX COMPUTERIZED MICROSPECTROPHOTOMETER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: TWENTY JOURNAL ARTICLE PUBLICATIONS; SEVEN BOOK CHAPTERS

968
TEMPLE UNIVERSITY
DR. A.R. FREEMAN, DIRECTOR
DEPARTMENT OF PHYSIOLOGY
3400 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-3272

N.C.E.S. CODES
18.020500
S.I.C. CODES
809
KEYWORDS
PHYSIOLOGY
CELLULAR PHYSIOLOGY
PERSONNEL
11 RESEARCH PROFESSIONALS
22 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300606.00
SOURCES: CANCER INSITITUTE; INSTITUTE ON AGING; HEART, LUNG AND BLOOD INSTITUTE; AMERICAN HEART ASSOCIATION; INSTITUTE ON CHILD HEALTH; PHARMACIA, INC.
PAST FUNDING
AVERAGE AMOUNT = $253767.00
SOURCES: NATIONAL INSTITUTE OF HEALTH; AMERICAN HEART ASSOCIATION; NATIONAL SCIENCE FOUNDATION; TASTYKAKE; PHARM AND UVS; USB

FACILITIES: BI-PLANE, ATOMIC ABSORPTION, LIQUID BREATHER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITHIN THE UNIVERSITY

OUTPUTS: ANNUAL REPORT

969
TEMPLE UNIVERSITY
DR. MARTIN F. TANSY, DIRECTOR
DEPARTMENT OF PHYSIOLOGY-BIOPHYSICS
3223 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4909

N.C.E.S. CODES
  18.230000
  14.140000
S.I.C. CODES
  809
KEYWORDS
  LC50'S
  SUBACUTE AND CHRONIC POLLUTANT EXPOSURE
  GASES AND AEROSOL CONTAMINANTS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  2 SUPPORT STAFF
PAST FUNDING
  AVERAGE AMOUNT = $77386.00
  SOURCES: AMERICAN CYANAMID

FACILITIES: STAINLESS STEEL INHALATION CHAMBERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

970
TEMPLE UNIVERSITY
DR. A.F. PANZETTA, DIRECTOR
DEPARTMENT OF PSYCHIATRY
3400 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4078

N.C.E.S. CODES
  18.102300
  42.110000
  42.020000
S.I.C. CODES
  809
KEYWORDS
  PSYCHIATRY
  CLINICAL PSYCHOLOGY
  PHYSIOLOGICAL PSYCHOLOGY
PERSONNEL
  29 RESEARCH PROFESSIONALS
  5 SUPPORT PROFESSIONALS
  45 TECHNICAL STAFF
  10 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00
  SOURCES: NIH; NIMH; NIDA
PAST FUNDING
  AVERAGE AMOUNT = $250000.00
  SOURCES: NIH; NIMH; NIDA

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL HUNDRED PROFESSIONAL JOURNAL ARTICLES, TEXT CHAPTERS AND BOOKS

971
TEMPLE UNIVERSITY
DR. TERRENCE PIPER, DIRECTOR
DEPARTMENT OF SPECIAL EDUCATION AND DEVELOPMENT
DISABILITIES CENTER
DEPARTMENT OF SPECIAL EDUCATION
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-8071

N.C.E.S. CODES
  0
S.I.C. CODES
  99
KEYWORDS
  SPECIAL EDUCATION
  TRAINING
  MAINSTREAMING
PERSONNEL
  2 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $100500.00
  SOURCES: PENNSYLVANIA DEPARTMENT OF EDUCATION
PAST FUNDING
  AVERAGE AMOUNT = $35383.00
  SOURCES: PENNSYLVANIA DEPARTMENT OF EDUCATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: TEN 20 MINUTE VIDEO TRAINING TAPES, MANUALS AND EVALUATION MATERIALS

972
TEMPLE UNIVERSITY
DR. AMOS RIVELL, DIRECTOR
DEPARTMENT OF VOCATIONAL EDUCATION
269 RITTER ANNEX
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-8376

N.C.E.S. CODES
  0
S.I.C. CODES
  99
KEYWORDS
  VOCATIONAL CURRICULUM DEVELOPMENT
  PERSONNEL DEVELOPMENT
  OCCUPATIONAL COMPETENCY TEST DEVELOPMENT
PERSONNEL
  13 RESEARCH PROFESSIONALS
  19 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  10 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $885595.00
  SOURCES: PENNSYLVANIA DEPARTMENT OF EDUCATION
PAST FUNDING
  AVERAGE AMOUNT = $1104694.00
  SOURCES: PENNSYLVANIA DEPARTMENT OF EDUCATION; DEPARTMENT OF HEALTH, EDUCATION AND WELFARE

FACILITIES: VISUAL COMMUNICATIONS LABORATORY, POWER TECHNOLOGY LABORATORY, INDUSTRIAL PRODUCTION LABORATORY, BUSINESS EDUCATION LABORATORY
BUILDINGS: N/A

COLLECTIONS: UTILIZES THE INSTRUCTIONAL MATERIALS CENTER

COOPERATIVE ARRANGEMENTS: WITH WILKES COLLEGE

OUTPUTS: PROJECT REPORTS, CURRICULUM MATERIALS AND OCCUPATIONAL TESTS

973
TEMPLE UNIVERSITY
DR. S. KENNETH THURMAN, DIRECTOR
DEVELOPMENTAL DISABILITIES CENTER AND DEPARTMENT OF SPECIAL EDUCATION
DEPARTMENT OF SPECIAL EDUCATION
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6039

N.C.E.S. CODES
  0
S.I.C. CODES
  99
KEYWORDS
  INTERDISCIPLINARY PROGRAM PLANNING
  PROGRAM PLANNING
  TRAINING
PERSONNEL
  7 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $37000.00
  SOURCES: SPECIAL EDUCATION PROGRAMS - U.S. DEPARTMENT OF EDUCATION
PAST FUNDING
  AVERAGE AMOUNT = $37000.00
  SOURCES: SPECIAL EDUCATION PROGRAMS - U.S. DEPARTMENT OF EDUCATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: TWO HOUR LONG TRAINING TAPES AND ASSOCIATED MATERIALS

974
TEMPLE UNIVERSITY
DR. ARTHUR G. SCHWARTZ, DIRECTOR
DIVISION OF RESEARCH, INSTITUTE ON AGING
FELS RESEARCH INSTITUTE, SCHOOL OF MEDICINE
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4349

N.C.E.S. CODES
  26.990000
S.I.C. CODES
  99
KEYWORDS
  CANCER PREVENTION
  AGING
  ANTI-OBESITY
PERSONNEL
  3 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $159000.00

SOURCES: NIA; JOHNSON & JOHNSON
PAST FUNDING
AVERAGE AMOUNT = $96000.00
SOURCES: NIA; JOHNSON & JOHNSON

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH PAPERS; FILED FOR PATENT FOR STEROID ANALOG

975
TEMPLE UNIVERSITY
S.H. WILLIG, DIRECTOR
DRUG LAW UNIT, UNIT IN LAW AND DENTISTRY
LAW SCHOOL
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-1278

N.C.E.S. CODES
17.010000
18.040100
40.050500
S.I.C. CODES
99
KEYWORDS
LAW
HEALTH
DENTISTRY
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: TEXT BOOKS

976
TEMPLE UNIVERSITY
PROFESSOR K.W. MCFARLANE, DIRECTOR
EXPERIMENTAL INVESTIGATIONS IN PARTICLE PHYSICS
PHYSICS DEPARTMENT
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-7730

N.C.E.S. CODES
40.080400
S.I.C. CODES
99
KEYWORDS
PARTICLE PHYSICS
INTERMEDIATE ENERGY
PERSONNEL
5 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $260000.00
SOURCES: U.S. DEPARTMENT OF ENERGY
PAST FUNDING
AVERAGE AMOUNT = $200000.00
SOURCES: U.S. DEPARTMENT OF ENERGY

FACILITIES: COMPUTERS, PARTICLE DETECTORS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH UNIVERSITY OF NEW MEXICO, UNIVERSITY OF CALIFORNIA (IRVINE), U.C. RIVERSIDE, LOS ALAMOS NATIONAL LABS, PENNSYLVANIA STATE UNIVERSITY, RUTGERS, BROOKHAVEN NATIONAL LABS, EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH (ERN), UNIVERSITY OF ATHENS (GREECE), AND MICHIGAN STATE UNIVERSITY

OUTPUTS: NUMEROUS PROFESSIONAL PUBLICATIONS IN NATIONAL AND INTERNATIONAL TECHNICAL JOURNALS

977
TEMPLE UNIVERSITY
DR. D.O. OWEN, DIRECTOR
GENERAL CLINICAL RESEARCH CENTER
3401 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-3088

N.C.E.S. CODES
18.990000
26.069900
30.000000
S.I.C. CODES
806
808
805
KEYWORDS
CLINICAL RESEARCH
MEDICAL TREATMENT
PERSONNEL
6 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
22 TECHNICAL STAFF

2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $726836.00
SOURCES: NIH
PAST FUNDING
AVERAGE AMOUNT = $664547.00
SOURCES: NIH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PEER-REVIEWED JOURNAL ARTICLES

978
TEMPLE UNIVERSITY
DR. WILLIAM L. CARMAN, DIRECTOR
HARRY A. COCHRAN RESEARCH CENTER
SCHOOL OF BUSINESS ADMINISTRATION, ROOM 6,
SPEAKMAN HALL
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-5187

N.C.E.S. CODES
6.190000
6.040000
18.070100
S.I.C. CODES
93
961
739
KEYWORDS
BUSINESS CONSULTING
INTERNATIONAL DEVELOPMENT
FINANCIAL PLANNING
PERSONNEL
2 RESEARCH PROFESSIONALS
20 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $432000.00
SOURCES: CITY OF PHILADELPHIA OFFICE OF EMPLOYMENT AND TRAINING; U.S. DEPARTMENT OF LABOR; BATTELLE MEMORIAL INS.; HONEYWELL, INC.
PAST FUNDING
AVERAGE AMOUNT = $460000.00
SOURCES: CITY OF PHILADELPHIA OFFICE OF EMPLOYMENT AND TRAINING; NATIONAL SCIENCE FOUNDATION; DHHS; KELLOGG FOUNDATION; KULICKE & SOFFA, INC.; SOCIAL SECURITY ADMINISTRATION

FACILITIES: COMPUTER AND WORD PROCESSING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: SERVES AS THE COORDINATING AGENCY FOR ALL FUNDED RESEARCH AND CONSULTING CONDUCTED WITHIN THE SCHOOL OF BUSINESS

OUTPUTS: VARIETY OF TRAINING PROGRAMS FOR BUSINESS AND GOVERNMENT; FISCAL AND PLANNING STUDIES FOR BUSINESS AND GOVERNMENT; EMPLOYMENT AND COMPENSATION RELATED ANALYSIS AND STUDIES; VARIETY OF COMPUTER RELATED DESIGN, EVALUATION AND ANALYTICAL STUDIES AND REPORTS

979
TEMPLE UNIVERSITY
WILLIAM R. HARVEY, DIRECTOR
INSECTICIDAL PEPTIDE GROUP
DEPARTMENT OF BIOLOGY
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-8868

N.C.E.S. CODES
26.040200
26.070600
40.050200
S.I.C. CODES
287
892
809
KEYWORDS
INSECTICIDES
DISEASE VECTORS
RECOMBINANT DNA
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $62000.00
SOURCES: ROHM & HASS CORPORATION

FACILITIES: THE DEPARTMENTS OF CHEMISTRY AND BIOLOGY FACILITIES

BUILDINGS: N/A

COLLECTIONS: UTILIZES THE DEPARTMENTS OF CHEMISTRY AND BIOLOGY LIBRARIES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

980
TEMPLE UNIVERSITY
JOHN L. STANTON, DIRECTOR
INSTITUTE FOR RESEARCH FOR FOOD CONSUMPTION AND NUTRITION
1945 NORTH BROAD STREET
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6926

N.C.E.S. CODES
  3.060000
  19.050000
  18.029900
S.I.C. CODES
  20
KEYWORDS
  FOOD CONSUMPTION
  FOOD MARKETING
  NUTRITION
PERSONNEL
  1 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00
  SOURCES: PRIVATE INDUSTRY
PAST FUNDING
  AVERAGE AMOUNT = $35000.00
  SOURCES: PRIVATE INDUSTRY

BUILDINGS: N/A

COLLECTIONS: VERY EXTENSIVE COLLECTION OF FOOD CONSUMPTION AND NUTRITION DATA

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: USDA REPORT; SEVERAL PROFESSIONAL JOURNAL ARTICLES

981
TEMPLE UNIVERSITY
JAMES D. GUNTON, DIRECTOR
INSTITUTE FOR SURFACE AND INTERFACE SCIENCE
PHYSICS DEPARTMENT
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-8631

N.C.E.S. CODES
  40.080800
S.I.C. CODES
  99
KEYWORDS
  INTERFACE RESEARCH
  SURFACE PROPERTIES
PERSONNEL
  6 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $65000.00
  SOURCES: ONR

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

982
TEMPLE UNIVERSITY
DR. LEONARD A. LOSCIUTO, DIRECTOR
INSTITUTE FOR SURVEY RESEARCH
1601 NORTH BROAD STREET
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-8355

N.C.E.S. CODES
  45.050000
  45.110000
  42.010000
S.I.C. CODES
  89
  892
KEYWORDS
  SURVEY RESEARCH
  SURVEY TECHNIQUES
  PROGRAM EVALUATION
PERSONNEL
  7 RESEARCH PROFESSIONALS
  10 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  5 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2300000.00
  SOURCES: SOCIAL SECURITY ADMINISTRATION; NATIONAL SCIENCE FOUNDATION; NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT; NATIONAL INSTITUTE ON DRUG ABUSE; DEPARTMENT OF LABOR; ENVIRONMENTAL PROTECTION AGENCY
PAST FUNDING
  AVERAGE AMOUNT = $1800000.00
  SOURCES: SOCIAL SECURITY ADMINISTRATION; NATIONAL SCIENCE FOUNDATION; NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT; NATIONAL INSTITUTE ON DRUG ABUSE; DEPARTMENT OF LABOR; ENVIRONMENTAL PROTECTION AGENCY

FACILITIES: DATA ENTRY EQUIPMENT; COMPUTER TERMINALS

BUILDINGS: N/A

COLLECTIONS: COLLECTION OF LITERATURE ON DRUG ABUSE AND POPULATION STUDIES

COOPERATIVE ARRANGEMENTS: WITHIN THE UNIVERSITY

OUTPUTS: NUMEROUS SERVICES, REPORTS, JOURNAL ARTICLES, AND GOVERNMENT MONOGRAPHS

983
TEMPLE UNIVERSITY
DR. EUGENE SHAW, DIRECTOR
INSTITUTE OF COMMUNICATION RESEARCH
DEPARTMENT OF JOURNALISM
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-1903

N.C.E.S. CODES
  9.030000
S.I.C. CODES
  99
KEYWORDS
  COMMUNICATIONS RESEARCH
  COMMUNICATIONS PROBLEMS
  MEDIA PROBLEMS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  15 SUPPORT PROFESSIONALS
  3 TECHNICAL STAFF
  2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: READERSHIP SURVEYS

984
TEMPLE UNIVERSITY
DR. EVAN R. SORBER, DIRECTOR
INSTITUTE ON AGING/MID ATLANTIC LONG TERM CARE GERONTOLOGY CENTER
UNIVERSITY SERVICES BUILDING, ROOM 207, 1601 NORTH BROAD STREET
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6970

N.C.E.S. CODES
  17.040000
  18.100800
  18.070200
S.I.C. CODES
  99
KEYWORDS
  GERIATRIC SERVICES
  ELDERLY CASE MANAGEMENT
  ELDERLY HOME CARE
PERSONNEL
  5 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $500000.00
  SOURCES: ADMINISTRATION ON AGING, HEALTH AND HUMAN SERVICES; HEALTH CARE FINANCE ADMINISTRATION; NATIONAL INSTITUTE OF MENTAL HEALTH; PENNSYLVANIA DEPARTMENT OF WELFARE
PAST FUNDING
  AVERAGE AMOUNT = $500000.00
  SOURCES: ADMINISTRATION ON AGING, HEALTH AND HUMAN SERVICES; HEALTH CARE FINANCE ADMINISTRATION; NATIONAL INSTITUTE OF MENTAL HEALTH; PENNSYLVANIA DEPARTMENT OF WELFARE

BUILDINGS: N/A

COLLECTIONS: INSTITUTE ON AGING LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PAPERS ON COMMUNITY CARE SYSTEMS FOR ELDERLY

985
TEMPLE UNIVERSITY
EDWARD J. REITH, DIRECTOR
LABORATORY FOR TOOTH BIOLOGY
3223 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-2920

N.C.E.S. CODES
  26.060600
  26.040100
  26.060800
S.I.C. CODES
  99
KEYWORDS
  DENTAL HISTOLOG
  CELL BIOLOGY
  TOOTH INNERVATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF

2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $88745.00
SOURCES: NIDR RESEARCH GRANTS
PAST FUNDING
AVERAGE AMOUNT = $199894.00
SOURCES: NIDR RESEARCH GRANT

FACILITIES: ELECTRON MICROSCOPE ZEISS 109

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL JOURNAL ARTICLES

986
TEMPLE UNIVERSITY
TED M. MIHALISIN, DIRECTOR
LOW TEMPERATURE/SOLID STATE LABORATORY
PHYSICS DEPARTMENT
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-7644

N.C.E.S. CODES
40.080800
S.I.C. CODES
892
KEYWORDS
SOLID STATE PHYSICS
MIXED VALENCE
F ELECTRON STATES
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
14 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $163000.00
SOURCES: NATIONAL SCIENCE FOUNDATION; TEMPLE UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $107000.00
SOURCES: NATIONAL SCIENCE FOUNDATION; TEMPLE UNIVERSITY

FACILITIES: X-RAY DIFFRACTION; HELIUM 3 AND DILUTION REFRIGERATORS

BUILDINGS: N/A

COLLECTIONS: UTILIZES THE PHYSICS READING ROOM

COOPERATIVE ARRANGEMENTS: FOR HIGH FIELD MEASUREMENTS AT NATIONAL MAGNET LAB; NEUTRON SCATTERING AT BROOKHAVEN NATIONAL LAB; L (III) ABSORPTION AT CHESS LAB, CORNELL UNIVERSITY

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

987
TEMPLE UNIVERSITY
DR. H. WELDON BAKER, DIRECTOR
MEDICINAL CHEMISTRY/ ANALYTICAL
SCHOOL OF PHARMACY, 3307 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4922

N.C.E.S. CODES
17.030200
18.020200
40.050200
S.I.C. CODES
283
KEYWORDS
ANALYTICAL CHEMISTRY
CLINICAL BIOCHEMISTRY
TRACE ANALYSIS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: ATOMIC ABSORPTION; SPECTROPHOTOMETERS; ELECTROPHORESIS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH THE TEMPLE MEDICAL SCHOOL AND ALLIED HEALTH

OUTPUTS: N/A

988
TEMPLE UNIVERSITY
DR. PETER H. DOUKAS, DIRECTOR
MEDICINAL CHEMISTRY/MOLECULAR PHARMACOLOGY LABORATORY
SCHOOL OF PHARMACY, 3307 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4954

N.C.E.S. CODES
26.060800
26.070500
30.010000
S.I.C. CODES
283
KEYWORDS
NEUROSCIENCES

PHARMACOLOGY
DRUG DEVELOPMENT AND EVALUATION
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $33819.00
SOURCES: SURGEON GENERAL, U.S. ARMY

FACILITIES: FULLY EQUIPPED LAB FOR BENCH SCALE ORGANIC SYNTHESIS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITHIN THE UNIVERSITY

OUTPUTS: THE SYNTHESIS OF SEVERAL NEW COMPOUNDS

989
TEMPLE UNIVERSITY
JOHN STEDMAN, DIRECTOR
MEDICINAL CHEMISTRY/STRUCTURE IDENTIFICATION
SCHOOL OF PHARMACY, 3307 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4931

N.C.E.S. CODES
30.010000
26.070500
S.I.C. CODES
203
KEYWORDS
METABOLITES
HETEROCYCLES
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400.00
SOURCES: TEMPLE UNIVERSITY

FACILITIES: NUCLEAR MAGNETIC RESONANCE SPECTROMETER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

990
TEMPLE UNIVERSITY
DR. GLADYS VALCOURT, DIRECTOR
MERIT CENTER
989 RITTER ANNEX
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6258

N.C.E.S. CODES
0
S.I.C. CODES
941
KEYWORDS
BILINGUAL EDUCATION
LEP STUDENT TESTING
SECOND LANGUAGE ACQUISITION
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $80000.00
SOURCES: TITLE VII; OBEMLA

BUILDINGS: N/A

COLLECTIONS: MAINTAINS THE MERIT LIBRARY WITH COLLECTIONS OF ESL, BILINGUAL, SECOND LANGUAGE ACQUISITIONS, TESTING, AND DISSERTATIONS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: THE SOUND SYSTEM OF AMERICAN ENGLISH DIAGNOSTIC TEST; MILITARY RELATED ESL LEARNING PACKETS; TEXTS FOR THE SOUND SYSTEM, THE STRUCTURE OF ENGLISH

991
TEMPLE UNIVERSITY
CHARLES A. ROGOVIN, DIRECTOR
ORGANIZED CRIME RESEARCH PROGRAM
SCHOOL OF LAW, 1719 NORTH BROAD STREET
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-8988

N.C.E.S. CODES
22.010000
S.I.C. CODES
99
KEYWORDS
LAW ENFORCEMENT
ORGANIZED CRIME
PERSONNEL
9 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS

0 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00
SOURCES: NATIONAL INSTITUTE OF JUSTICE
PAST FUNDING
AVERAGE AMOUNT = $300000.00
SOURCES: NATIONAL INSTITUTE OF JUSTICE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH BATTLELLE RESEARCH CENTER, SEATTLE, WA; CENTER FOR RESEARCH ON INSTITUTIONS AND SOCIAL POLICY, NEW YORK, NY

OUTPUTS: N/A

992
TEMPLE UNIVERSITY
DR. JOSEPH J. ALEO, DIRECTOR
PEIODONTAL DISEASE RESEARCH
3223 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-2918

N.C.E.S. CODES
18.040800
18.101800
26.049900
S.I.C. CODES
802
KEYWORDS
TISSUE CULTURE
ENDOTOXIN
VITAMIN C
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $87078.00
SOURCES: NIH
PAST FUNDING
AVERAGE AMOUNT = $16280.00
SOURCES: HOFFMAN-LAROCHE, INC.

FACILITIES: TISSUE CULTURE LABORATORY, BIOCHEMICAL AND RADIOCHEMICAL FACILITIES AND COUNTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: PERIODICAL LIBRARY

COOPERATIVE ARRANGEMENTS: WITH DREXEL UNIVERSITY

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

993
TEMPLE UNIVERSITY
DR. MARCELLA RIDENOUR, DIRECTOR
PERCEPTUAL MOTOR DEVELOPMENT LABORATORY
PEARSON HALL
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-1960

N.C.E.S. CODES
42.100000
42.110000
42.990000
S.I.C. CODES
941
KEYWORDS
PERCEPTUAL MOTOR DEVELOPMENT
MOTOR DEVELOPMENT
PSYCHOLOGY OF MOTOR LEARNING
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: MOTOR LEARNING LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: A SYMPOSIUM; TEXTBOOKS ON THE PSYCHOLOGY OF MOTOR LEARNING

994
TEMPLE UNIVERSITY
DR. STEPHEN H. PAUL, DIRECTOR
PHARMACEUTICAL ECONOMICS
SCHOOL OF PHARMACY
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4952

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
DISPENSING COSTS
PRESCPIPTION PRICING
THIRD-PARTY ACTIONS
PERSONNEL
3 RESEARCH PROFESSIONALS

0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ANNUAL SURVEY OF DISPENSING COSTS IN PENNSYLVANIA METHODOLOGY

995
TEMPLE UNIVERSITY
DR. CHANA R. KOWARSKI, DIRECTOR
PHARMACOKINETICS AND BIOPHARMACEUTICS
3307 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4916

N.C.E.S. CODES
18.020000
18.029900
26.070500
S.I.C. CODES
99
KEYWORDS
BIOACTIVITIES OF DRUGS
BIOACTIVITIES OF BIOASSAYS
PHARMACOKINETICS
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: UTILIZES THE SCHOOL OF PHARMACY AND MEDICAL SCHOOL LIBRARIES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL JOURNAL ARTICLES

996
TEMPLE UNIVERSITY
DR. RONALD F. GAUTIERI, DIRECTOR
PHARMACOLOGY DEPARTMENT
SCHOOL OF PHARMACY, 3307 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4976

N.C.E.S. CODES
26.070500
26.061200
26.069900
S.I.C. CODES
283
809
919
KEYWORDS
PHARMACOLOGY
TOXICOLOGY
TERATOLOGY
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: LARGE ANIMAL CARE FACILITY; USUAL PHARMACOLOGY AND TOXICOLOGY EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: UTILIZES THE DENTAL-PHARMACY LIBRARY, THE MEDICAL SCHOOL LIBRARY, AND THE PHYSICIANS COLLEGE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH PUBLICATIONS IN PROFESSIONAL JOURNALS

997
TEMPLE UNIVERSITY
DR. WILLIAM FULLARD, DIRECTOR
PHILADELPHIA GROUP FOR THE STUDY OF TEMPERAMENT
DEPARTMENT OF EDUCATIONAL PSYCHOLOGY
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6102

N.C.E.S. CODES
42.070000
42.100000
S.I.C. CODES
99
KEYWORDS
TEMPERAMENT
EVALUATION OF BEHAVIOR
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL PUBLICATIONS

998
TEMPLE UNIVERSITY
DR. MARTIN F. TANSY, DIRECTOR
PHYSIOLOGY AND BIOPHYSICS (INTEGRATED DATA PROCESSING FACILITY)
3223 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4909

N.C.E.S. CODES
11.020000
11.030000
18.020500
S.I.C. CODES
381
809
KEYWORDS
MICRODENTISTRY
SPECTRAL ANALYSIS
CLASSIFICATION
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
2 SUPPORT STAFF
PAST FUNDING
AVERAGE AMOUNT = $138558.00
SOURCES: NCI

FACILITIES: PDP 11/40 COMPUTER; CAMBRIDGE 720 IMAGE ANALYZING COMPUTER; BECTON DICKINSON FACS I CELL SORTER; SIGNAL CONDITIONERS AND VARIOUS TRANSDUCERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

999
TEMPLE UNIVERSITY
DR. MARTIN F. TANSY, DIRECTOR
PHYSIOLOGY/BIOPHYSICS (MEMBRANE TRANSPORT LABORATORY)
3223 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-2968

N.C.E.S. CODES
18.020500
26.020000
26.060800
S.I.C. CODES
809
KEYWORDS
CELL MEMBRANE
MEMBRANE TRANSPORT
AMINO ACIDS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $35000.00
SOURCES: NIH
PAST FUNDING
AVERAGE AMOUNT = $37000.00
SOURCES: NIH

FACILITIES: LIQUID SCINTILLATION; HPLC; MICRODISSECTION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: UTILIZES THE UNIVERSITY COMPUTER FACILITIES

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

1000
TEMPLE UNIVERSITY
DR. CHARLES SHAGASS, DIRECTOR
PSYCHIATRIC NEUROPHYSIOLOGY LABORATORY
EASTERN PENNSYLVANIA PSYCHIATRIC INSTITUTE, HENRY AVENUE AND ABBOTTSFORD ROAD
PHILADELPHIA, PA 19129
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-842-4168

N.C.E.S. CODES
18.102300
18.020500
42.110000
S.I.C. CODES
99
KEYWORDS
PSYCHIATRIC ELECTROPHYSIOLOGY
DIAGNOSTIC TESTS
PERSONNEL
4 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $277979.00
SOURCES: NIMH GRANT; TEMPLE UNIVERSITY

PAST FUNDING
AVERAGE AMOUNT = $235544.00
SOURCES: NIMH GRANT; TEMPLE UNIVERSITY

FACILITIES: THREE MINICOMPUTER SYSTEMS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 30 REPORTS IN SCIENTIFIC JOURNALS AND CHAPTERS IN BOOKS

1001
TEMPLE UNIVERSITY
DR. CAROLE OGLESBY, DIRECTOR
PSYCHOLOGY OF SPORTS
PEARSON HALL
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-8719

N.C.E.S. CODES
42.110000
42.100000
42.990000
S.I.C. CODES
941
749
KEYWORDS
SPORT PSYCHOLOGY
SOCIOLOGY OF SPORT
PHILOSOPHY OF SPORT
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PUBLISHED BOOK SECTIONS ON THE PSYCHOLOGY OF SPORT; SEVERAL SEMINARS

1002
TEMPLE UNIVERSITY
DR. ROBERT D. ISETT, DIRECTOR
RESEARCH DIVISION, MID-ATLANTIC LONG TERM CARE GERONTOLOGY CENTER
UNIVERSITY SERVICES BUILDING (083-52)
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6970

N.C.E.S. CODES
17.040000
18.070100
44.050000
S.I.C. CODES
99
KEYWORDS
LONG TERM CARE RESEARCH
PROGRAM EVALUATION
AGING RESEARCH
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $90000.00
SOURCES: ADMINISTRATION ON AGING (AOA/HHS)
PAST FUNDING
AVERAGE AMOUNT = $90000.00
SOURCES: ADMINISTRATION ON AGING (AOA/HHS)

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE LIBRARY COLLECTION ON AGING

COOPERATIVE ARRANGEMENTS: ASSOCIATED WITH THE TEMPLE UNIVERSITY INSTITUTE ON AGING

OUTPUTS: PROVIDE TECHNICAL ASSISTANCE IN MODEL LONG TERM CARE SERVICES DEVELOPMENT; STATE WIDE STUDY ON AGING AND DEVELOPMENTAL DISABILITIES AND RESEARCH ON MEDICAID IN PROGRESS

1003
TEMPLE UNIVERSITY
DR. GEORGE J. TITUS, DIRECTOR
SMALL BUSINESS DEVELOPMENT CENTER
SPEAKMAN HALL
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-7282

N.C.E.S. CODES
6.180000
6.010000
8.030000
S.I.C. CODES
739
941
KEYWORDS
SMALL BUSINESS DEVELOPMENT
ENTREPRENEURIAL PLANNING
BUSINESS PLANNING
PERSONNEL
2 RESEARCH PROFESSIONALS

3 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $70000.00
SOURCES: SBA; TEMPLE UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $27000.00
SOURCES: SBA; TEMPLE UNIVERSITY

BUILDINGS: N/A

COLLECTIONS: SMALL BUSINESS BOOKS AND PERIODICALS

COOPERATIVE ARRANGEMENTS: WITH UNIVERSITY OF PENNSYLVANIA AND LASALLE COLLEGE

OUTPUTS: REPORTS

1004
TEMPLE UNIVERSITY
DR. WILLARD C. RICHAN, DIRECTOR
SOCIAL POLICY INFORMATION GROUP OF TEMPLE (SPIGOT)
SCHOOL OF SOCIAL ADMINISTRATION
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-1217

N.C.E.S. CODES
44.020000
44.070100
44.050000
S.I.C. CODES
832
944
KEYWORDS
SOCIAL SERVICES FUNDING
SOCIAL WORK
HUMAN SERVICES

FACILITIES: UTILIZES THE UNIVERSITY COMPUTER CENTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: REPORT OF A SURVEY ON REDUCED GOVERNMENT FUNDING

1005
TEMPLE UNIVERSITY
PROFESSOR G.J. BORDEN, DIRECTOR
SPEECH LABORATORY
149 WEISS HALL
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-8407

N.C.E.S. CODES
18.010200
S.I.C. CODES
809
KEYWORDS
PHYSIOLOGY OF SPEECH
ACOUSTICS OF SPEECH
PERCEPTION OF SPEECH
PERSONNEL
8 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: PHYSIOLOGICAL RECORDING UNIT, SOUND SPECTROGRAPHY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1006
TEMPLE UNIVERSITY
DR. JAY SEGAL, DIRECTOR
STRESS MANAGEMENT LABORATORY
HEALTH EDUCATION DEPARTMENT, SELTZER HALL
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-5107

N.C.E.S. CODES
17.040000
42.110000
42.100000
S.I.C. CODES
809
839
941
KEYWORDS
STRESS MANAGEMENT
MENTAL HEALTH
BIO-FEEDBACK
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: STRESS MANAGEMENT LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: WORKSHOPS

1007
TEMPLE UNIVERSITY
JAMES CONROY, DIRECTOR
TEMPLE UNIVERSITY DEVELOPMENTAL DISABILITIES
PROGRAM EVALUATION AND RESEARCH GROUP
RITTER ANNEX
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6560

N.C.E.S. CODES
  44.050000
  17.040000
  42.000000
S.I.C. CODES
  839
  809
  941
KEYWORDS
  MENTAL RETARDATION PROGRAM EVALUATION
  MENTAL RETARDATION SURVEY RESEARCH
  POLICY ANALYSIS AND RESEARCH
PERSONNEL
  5 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  7 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $215000.00
  SOURCES: HHS-OFFICE OF HUMAN DEVELOPMENT SERVICES; HHS-UNIVERSITY AFFILIATED PROGRAMS; PENNSYLVANIA DEPARTMENT OF PUBLIC WELFARE; TEMPLE UNIVERSITY
PAST FUNDING
  AVERAGE AMOUNT = $220000.00
  SOURCES: HHS-OFFICE OF HUMAN DEVELOPMENT SERVICES; HHS-UNIVERSITY AFFILIATED PROGRAMS; PENNSYLVANIA DEPARTMENT OF PUBLIC WELFARE; TEMPLE UNIVERSITY

FACILITIES: ASSORTED COMPUTER TERMINALS AND WORD PROCESSING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: PUBLIC INTEREST LAW CENTER OF PHILADELPHIA; MOSS REHABILITATION CENTER; ST. CHRISTOPHER'S CHILD CARE UNIT; WOODS SCHOOL; ELWYN INSTITUTE; PARC; STATE AND COUNTY MH/MR UNITS; WOODHAVEN CENTER; AND WITHIN THE UNIVERSITY

OUTPUTS: OVER 30 PROFESSIONAL JOURNAL ARTICLES; OVER 100 TECHNICAL REPORTS; NUMEROUS PENNHURST LONGITUDINAL STUDY REPORTS

1008
TEMPLE UNIVERSITY
WOOLLCOTT SMITH, DIRECTOR
THE DATA ANALYSIS LABORATORY
DEPARTMENT OF STATISTICS
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6873

N.C.E.S. CODES
  27.050000
S.I.C. CODES
  283
KEYWORDS
  STATISTICS
  DATA ANALYSIS
  SURVEY DESIGN
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $65000.00
  SOURCES: TEMPLE UNIVERSITY; CAMPBELL SOUP COMPANY
PAST FUNDING
  AVERAGE AMOUNT = $80000.00
  SOURCES: TEMPLE UNIVERSITY; NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA); ENVIRONMENTAL PROTECTION AGENCY

FACILITIES: CDC CIBER 172 AND 174 COMPUTER

BUILDINGS: N/A

COLLECTIONS: SPECIALIZED STATISTICAL COMPUTING PROGRAMS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1009
TEMPLE UNIVERSITY
DR. JERRY JORDAN, DIRECTOR
THERAPEUTIC RECREATION LABORATORY
DEPARTMENT OF RECREATION AND LEISURE STUDIES, SELTZER HALL
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-8706

N.C.E.S. CODES
8.190000
17.080000
44.020000
S.I.C. CODES
799
839
KEYWORDS
THERAPEUTIC RECREATION
RECREATION FOR THE HANDICAPPED
RECREATION FOR SPECIAL POPULATIONS
PERSONNEL
3 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $32131.00
SOURCES: OFFICE OF SPECIAL EDUCATION; COMMUNITY COUNCIL
PAST FUNDING
AVERAGE AMOUNT = $21000.00
SOURCES: OFFICE OF SPECIAL EDUCATION

FACILITIES: THERAPEUTIC RECREATION LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: THERAPEUTIC AGENCIES IN THE GREATER PHILADELPHIA AREA

OUTPUTS: COMMUNITY RESOURCES IN THERAPEUTIC RECREATION; PROVISION OF THERAPEUTIC RECREATION SERVICES TO HANDICAPPED PARTICIPANTS IN THE GREATER PHILADELPHIA AREA

1010
TEMPLE UNIVERSITY
DR. R. COLMAN, DIRECTOR
THROMBOSIS CENTER
3400 NORTH BROAD STREET
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4665

N.C.E.S. CODES
18.080000
S.I.C. CODES
99
KEYWORDS
THROMBOSIS
HEMOSTASIS
HEMORRHAGE
PERSONNEL
29 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
38 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2500000.00
SOURCES: N.I.H.; KROC FOUNDATION; W.W. SMITH CHARITABLE TRUST; AMERICAN HEART ASSOCIATION; COUNCIL FOR TOBACCO RESEARCH, INC.
PAST FUNDING
AVERAGE AMOUNT = $2300000.00
SOURCES: N.I.H.; KROC FOUNDATION; W.W. SMITH CHARITABLE TRUST; AMERICAN HEART ASSOCIATION; COUNCIL FOR TOBACCO RESEARCH, INC.

FACILITIES: SPECIAL CLINICAL STUDIES LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH MEDICAL COLLEGE OF PENNSYLVANIA, JEFFERSON MEDICAL SCHOOL, AND UNIVERSITY OF PENNSYLVANIA

OUTPUTS: SEVERAL HUNDRED ARTICLES IN PEER-REVIEWED JOURNALS; NUMEROUS BOOK CHAPTERS AND SCHOLARLY REVIEWS; EDITING OF NEW TEXTBOOK; DEVELOPMENT OF SPECIFIC ASSAYS FOR BLOOD PROTEINS, SPECIAL TECHNIQUES FOR MEASURING BLOOD PLATELET CONSTITUENTS

1011
TEMPLE UNIVERSITY
T.J. SPEAKER, DIRECTOR
TOXICOLOGY/ANALYTICAL METHODS DEVELOPMENT AND METABOLISM
SCHOOL OF PHARMACY
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-221-4918

N.C.E.S. CODES
18.230000
26.061200
18.140000
S.I.C. CODES
283
KEYWORDS
TOXICOLOGY
TOXICANT CONCENTRATION
XENOBIOTICS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300.00
SOURCES: TEMPLE UNIVERSITY

FACILITIES: GC/MS, NMR, GC, IR, UV

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1012
TEMPLE UNIVERSITY
CALVIN F. NODINE, DIRECTOR
USING EYE MOVEMENTS TO EVALUATE COMPOSITIONAL DESIGN IN ARTWORKS
DEPARTMENT OF EDUCATIONAL PSYCHOLOGY
PHILADELPHIA, PA 19122
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-787-6103

N.C.E.S. CODES
  0
S.I.C. CODES
  99
KEYWORDS
  EYE MOVEMENTS
  PERCEPTUAL ORGANIZATION
  ARTWORKS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  2 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1500.00
  SOURCES: TEMPLE UNIVERSITY FACULTY RESEARCH GRANT

FACILITIES: EYE MOVEMENT MONITOR; COMPUTER; VISUAL DISPLAY (COLOR)

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH A RESEARCHER IN THE DEPARTMENT OF RADIOLOGY AT THE UNIVERSITY OF PENNSYLVANIA

OUTPUTS: SEVERAL PROFESSIONAL JOURNAL ARTICLES

1013
THE ALTOONA HOSPITAL
MR. ROBERT TRIBECK, DIRECTOR
PLANNING AND DEVELOPMENT
HOWARD AND SEVENTH
ALTOONA, PA 16603
BLAIR COUNTY
SOUTHERN ALLEGHENIES DEVELOPMENT REGION
PHONE: 814-946-2301

N.C.E.S. CODES
  6.000000
  18.070000
  18.100000
S.I.C. CODES
  80
  94
  83
KEYWORDS
  HEALTH CARE SERVICES
  MEDICINE/NURSING
  MANAGEMENT
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: MODERN, ACUTE CARE HOSPITAL AND ALL MEDICAL HARDWARE AND SOFTWARE FACILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A MEDICAL AND ADMINISTRATIVE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1014
THE ASPHALT INSTITUTE
J.R. BUKOWSKI, DIRECTOR
THE ASPHALT INSTITUTE
13 NORTH PROGRESS AVENUE
HARRISBURG, PA 17109
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-545-4713

N.C.E.S. CODES
  14.080000
S.I.C. CODES
  161
  295
KEYWORDS
  ASPHALT
  HIGHWAY AND ROAD
  PAVEMENTS
PERSONNEL
  35 RESEARCH PROFESSIONALS
  40 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF

FACILITIES: ASPHALT LABORATORIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS AN ASPHALT AND HIGHWAY CONSTRUCTION ORIENTED LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1015
THE BACHMAN COMPANY
LOUIS W. TRAGER, DIRECTOR
TECHNICAL SERVICES
P.O. BOX 898
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-320-7860

N.C.E.S. CODES
2.030100
2.030500
2.030600
S.I.C. CODES
204
205
209
KEYWORDS
SNACK FOOD PROCESSING
SNACK FOOD DEVELOPMENT
PERSONNEL
2 RESEARCH PROFESSIONALS
14 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
3 SUPPORT STAFF

FACILITIES: A PLANT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1016
THE BETHLEHEM CORPORATION
MR. ARTHUR W. SMITH, DIRECTOR
OPTIMIZER BOILER GROUP
P.O. BOX 348
EASTON, PA 18042
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-258-7111

N.C.E.S. CODES
14.000000
14.990000
S.I.C. CODES
343
359
KEYWORDS
HEATING
POWER GENERATION
PROCESS STEAM
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $350000.00

FACILITIES: LABORATORY WITH FULL SCALE COAL OR WASTE FIRED BOILER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: JOINT VENTURE WITH ANOTHER COMPANY ON SOLID WASTE

OUTPUTS: N/A

1017
THE BUDD COMPANY
DR. T.B. MCDONOUGH, DIRECTOR
TECHNICAL CENTER
376 COMMERCE DRIVE
FORT WASHINGTON, PA 19034
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-643-2950

N.C.E.S. CODES
14.010000
14.180000
14.190000
S.I.C. CODES
374
371
307
KEYWORDS
TRANSPORTATION EQUIPMENT
ENERGY AND DEFENSE PRODUCTS
PERSONNEL
17 RESEARCH PROFESSIONALS
9 SUPPORT PROFESSIONALS
23 TECHNICAL STAFF
13 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $6000000.00

FACILITIES: UNIQUE THERMAL, DYNAMIC AND STRUCTURAL TESTING LABORATORY FACILITIES FOR LARGE VEHICLES OR EQUIPMENT; A 30 MPH. CRASH TOWER, A 75 MPH. SCALE WIND TUNNEL, AND A MODULAR ENGINEERING

COMPUTER COMPLEX WITH ANALOG/DIGITAL AND C.A.D. CAPABILITY

BUILDINGS: HIGH BAY ASSEMBLY AREA

COLLECTIONS: TECHNICAL LIBRARY AND COMPUTER LITERATURE SEARCH CAPABILITY

COOPERATIVE ARRANGEMENTS: BETWEEN COMPANY UNITS

OUTPUTS: N/A

1018
THE CONSERVATION COMPANY
MR. GRAHAM S. FINNEY, DIRECTOR
THE CONSERVATION COMPANY
1701 ARCH STREET, SUITE 404
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-568-0399

N.C.E.S. CODES
  6.040100
  3.029900
  17.040000
S.I.C. CODES
  913
  944
  961
KEYWORDS
  ORGANIZATIONAL DEVELOPMENT
  LONG RANGE PLANNING
  POLICY STUDIES
PERSONNEL
  5 RESEARCH PROFESSIONALS
  15 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $300000.00

FACILITIES: MICROCOMPUTER AND WORD PROCESSOR

BUILDINGS: N/A

COLLECTIONS: EXTENSIVE ENERGY RELATED LIBRARY, SMALL COLLECTIONS ON PUBLIC ADMINISTRATION AND MANAGEMENT

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1019
THE DEVEREUX FOUNDATION
DR. HENRY PLATT, DIRECTOR
INSTITUTE OF CLINICAL TRAINING AND RESEARCH
19 SOUTH WATERLOO ROAD, BOX 400
DEVON, PA 19333
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-296-6908

N.C.E.S. CODES
  17.040000
  17.080000
  42.020000
S.I.C. CODES
  809
  839
KEYWORDS
  MENTAL HEALTH
  SPECIAL EDUCATION
  VOCATIONAL REHABILITATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: MAINTAINS THE DEVEREUX PROFESSIONAL LIBRARY, A MULTIDISCIPLINARY COLLECTION OF BOOKS AND JOURNALS IN MENTAL HEALTH AND RELATED AREAS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1020
THE DRESDEN/DAVIS ORGANIZATION, INC.
MARK DRESDEN, DIRECTOR
THE DRESDEN/DAVIS ORGANIZATION, INC.
1700 WALNUT STREET
PHILADELPHIA, PA 19103
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-735-3505

N.C.E.S. CODES
  0
S.I.C. CODES
  739
  737
KEYWORDS
  MARKET RESEARCH
  PHARMACEUTICALS
PERSONNEL
  4 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1021
THE EDMAR ABRASIVE COMPANY
MARIO V. MASCIOLI, DIRECTOR
THE EDMAR ABRASIVE COMPANY
P.O. BOX 217
BROOMALL, PA 19008
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-544-4900

N.C.E.S. CODES
  14.990000
S.I.C. CODES
  329
KEYWORDS
  ABRASIVE CUTTING WHEELS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1022
THE FRANKLIN MINT INC.
HERBERT L. DUFFIELD, DIRECTOR
PRODUCT AND DEVELOPMENT ENGINEERING
FRANKLIN CENTER
FRANKLIN CENTER, PA 19091
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-459-7668

N.C.E.S. CODES
  30.030000
  14.060000
  14.180000
S.I.C. CODES
  326
  346
  322
KEYWORDS
  NEW PRODUCT OR CONCEPTS
  REDISCOVER LOST ARTS AND CRAFTS
  REPRODUCTION
PERSONNEL
  15 RESEARCH PROFESSIONALS
  15 SUPPORT PROFESSIONALS
  20 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2500000.00

FACILITIES: RESEARCH CERAMIC AND ENAMELING KILNS, ELECTROPLATING BATHS AND PHOTO AND SCREEN PRINT FACILITIES, PRECIOUS METAL ALLOY DEVELOPMENT FURNACES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1023
THE INSTITUTE ON MAN AND SCIENCE
HAROLD S. WILLIAMS, DIRECTOR
COMMUNITY REVITALIZATION
P.O. BOX 128
RENSSELAERVILLE, NY 12147
COUNTY
DEVELOPMENT REGION
PHONE: 518-797-3783

N.C.E.S. CODES
  4.010000
  3.010000
  4.030000
S.I.C. CODES
  152
  344
  953
KEYWORDS
  HOUSING
  ENERGY EFFICIENCY
  COMMUNITY DEVELOPMENT
PERSONNEL
  6 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $800000.00

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF APPROXIMATELY 4000 VOLUMES RELATING TO COMMUNITY DEVELOPMENT

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1024
THE INTERNATIONAL BOILER WORKS COMPANY
R. ALAN BLYTHE, DIRECTOR
ENGINEERING DEPARTMENT
BOX 498
EAST STROUDSBURG, PA 18301
MONROE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-421-5100

N.C.E.S. CODES
14.190000
14.990000
S.I.C. CODES
343
KEYWORDS
METALS AND WELDING DEVELOPMENT
TECHNOLOGY SURVEILLANCE
FLUIDIZED BED COMBUSTION
PERSONNEL
0 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1025
THE J.E. BAKER COMPANY
OTTO L. FORCHHEIMER, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
P.O. BOX 1189
YORK, PA 17405
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-848-1501

N.C.E.S. CODES
14.145000
S.I.C. CODES
3297
KEYWORDS
NEW DOLOMITE BRICK
NEW DOLOMITE REFRACTORIES
PERSONNEL
7 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $60000.00

BUILDINGS: ONE LABORATORY BUILDING

COLLECTIONS: SMALL LIBRARY ON CERAMICS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1026
THE KULJIAN CORPORATION
DR. A.K. BHATTACHARYYA, DIRECTOR
ADVANCED ENERGY DIVISION
3700 SCIENCE CENTER
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-243-1982

N.C.E.S. CODES
14.230000
14.130000
27.050000
S.I.C. CODES
891
892
KEYWORDS
NUCLEAR SAFETY RESEARCH
NUCLEAR SAFETY POLICY
ENERGY TECHNOLOGY RESEARCH
PERSONNEL
5 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

FACILITIES: INHOUSE PRIME 650, IBM-PC, WORD PROCESSING SOFTWARE, FACSIMILE MACHINE, TELEX, INHOUSE PRINTING FACILITY

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1027
THE LEHIGH VALLEY LABORATORIES, INC.
MR. JOHN H. MANDEL, DIRECTOR
THE LEHIGH VALLEY LABORATORIES, INC.
1740 ALLEN STREET
ALLENTOWN, PA 18104
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-435-6776

N.C.E.S. CODES
17.031100
18.020300
26.050000

S.I.C. CODES
807
KEYWORDS
RAPID IDENTIFICATION
MICROORGANISMS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000.00

FACILITIES: INCUBATORS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1028
THE NATURE CENTER OF CHARLESTOWN
THOMAS H. LIVERS, DIRECTOR
THE NATURE CENTER OF CHARLESTOWN
P.O. BOX 82
DEVAULT, PA 19432
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-935-9777

N.C.E.S. CODES
3.020200
6.049900
30.010100
S.I.C. CODES
869
841
KEYWORDS
ENVIRONMENTAL EDUCATION
CONSERVATION
EMPLOYEE PROGRAMS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $84900.00

FACILITIES: 10 ACRES OF NATURE TRAILS, PLUS AN 1820 FARMHOUSE USED AS AN EDUCATION AND EXHIBIT CENTER

BUILDINGS: 1790 BARN

COLLECTIONS: MAINTAINS A SMALL LIBRARY COLLECTION OF NATURE-ORIENTED LITERATURE AND A SMALL COLLECTION OF NATURE ARTIFACTS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1029
THE NEW JERSEY ZINC COMPANY, INC.
PETER L. KERN, DIRECTOR
PROCESS ENGINEERING AND DEVELOPMENT GROUP
FOURTH AND DELAWARE
PALMERTON, PA 18071
CARBON COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 215-826-8600

N.C.E.S. CODES
14.200000
14.070000
40.070100
S.I.C. CODES
333
334
103
KEYWORDS
ZINC PRODUCTS
COAL BRIQUETTING
NEW PROCESSES
PERSONNEL
8 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $700000.00

FACILITIES: PILOT SMELTING, BRIQUETTING, REDUCTION FACILITIES AND LABS; PILOT METAL POWDER PLANT; SEMI-COMMERCIAL SPECIALTY PRODUCTS FACILITIES

BUILDINGS: THREE BUILDING COMPLEX

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: EDA GRANT THROUGH CARBON COUNTY PLANNING AND DEVELOPMENT FOR STUDYING UTILIZATION OF EXISTING FACILITIES FOR INCINERATION OF MUNICIPAL SOLID WASTE

OUTPUTS: N/A

1030
THE O. HOMMEL CO.
RICHARD O. HOMMEL, DIRECTOR
THE O. HOMMEL CO.
BOX 475
PITTSBURGH, PA 15230
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-923-2233

N.C.E.S. CODES
14.060000
S.I.C. CODES
289
KEYWORDS
CERAMICS
PRECIOUS METALS
INORGANIC COATINGS
PERSONNEL
5 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $700000.00

FACILITIES: A/A COVOR DIFFERENCE METERS; ANALYTICAL LABS; SCREEN PRINTERS; FURNACES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1031
THE PENN MUTUAL LIFE INSURANCE CO.
WILLIAM J. MCCLAIN, DIRECTOR
BUSINESS RESEARCH DIVISION
INDEPENDENCE SQUARE
PHILADELPHIA, PA 19172
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-629-0600

N.C.E.S. CODES
8.100000
3.040000
S.I.C. CODES
631
621
KEYWORDS
OBJECTIVITY
PROJECTABLE
REPRESENTATIVE
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400000.00

FACILITIES: APPLE II COMPUTER

BUILDINGS: N/A

COLLECTIONS: SMALL RESEARCH LIBRARY

COOPERATIVE ARRANGEMENTS: SPONSOR STUDENT PROJECT WITH MBA CANDIDATES AT WHARTON SCHOOL OF UNIVERSITY OF PENNSYLVANIA

OUTPUTS: N/A

1032
THE PFALTZGRAFF CO.; DIVISION OF SUSQUEHANNA
BROADCASTING
HEINZ J. PANGELS, DIRECTOR
RESEARCH & DEVELOPMENT LABORATORY
141 EAST MARKET STREET
YORK, PA 17405
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-848-5500

N.C.E.S. CODES
0
S.I.C. CODES
326
KEYWORDS
COMPOSITIONS
CERAMICS
RAW MATERIAL EVALUATION
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: STANDARD CERAMICS LAB AS WELL AS PROCESSING AND TESTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: LIBRARY ORIENTED TOWARDS WHITEWARES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1033
THE PQ CORPORATION
DR. GEORGE C. SCHWEIKER, DIRECTOR
PQ R&D CENTER
P.O. BOX 258
LAFAYETTE HILL, PA 19444
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-825-5000

N.C.E.S. CODES
40.050300
40.050100
40.050200
S.I.C. CODES
281

289
284
KEYWORDS
CHEMICAL PRODUCTS
INORGANIC CHEMICAL PRODUCTS
PERSONNEL
33 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
30 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1034
THE STACKPOLE CORPORATION
DR. WILLIAM A. NYSTROM, DIRECTOR
ENGINEERING LABORATORIES
201 STACKPOLE STREET
ST. MARYS, PA 15857
ELK COUNTY
NORTH CENTRAL DEVELOPMENT REGION
PHONE: 814-781-8410

N.C.E.S. CODES
14.180000
14.060000
14.100000
S.I.C. CODES
362
367
364
KEYWORDS
GRAPHITE PRODUCTS
MOTOR BRUSHES
ELECTRICAL CONTACTS
PERSONNEL
17 RESEARCH PROFESSIONALS
7 SUPPORT PROFESSIONALS
38 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2750000.00

FACILITIES: XRD; XRF; THERMAL ANALYSIS; INFRARED ANALYSIS; GAS CHROMATOGRAPHY; ATOMIC ABSORPTION; SPECTROSCOPIC ANALYSIS; WET CHEMICAL ANALYSIS; MECHANICAL TESTING; METALLOGRAPHIC ANALYSIS; ELECTRICAL AND MAGNETIC CHARACTERIZATION; CERAMIC AND METAL POWDER CHARACTERIZATION; MOLDING AND SINTERING FACILITIES

BUILDINGS: N/A

COLLECTIONS: UTILIZES COMPANY LIBRARY CONTAINING DIVERSE COLLECTION OF TECHNICAL PUBLICATIONS AND PERIODICALS

COOPERATIVE ARRANGEMENTS: CONTRACT WITH NERAC

OUTPUTS: N/A

1035
THE WAGNER GROUP, INC. T/A MANAGEMENT
SCIENTISTS II
N/A, DIRECTOR
THE WAGNER GROUP, INC. T/A MANAGEMENT SCIENTISTS II
PARK TOWNE PLACE - N 108
PHILADELPHIA, PA 19130
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-561-2253

N.C.E.S. CODES
7.050000
6.060000
42.090000
S.I.C. CODES
99
KEYWORDS
PERSONNEL SELECTION
TRAINING
PERSONNEL RESEARCH
PERSONNEL
2 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1036
THE WILLIAM OTRUBA AGENCY
WILLIAM OTRUBA, DIRECTOR
THE WILLIAM OTRUBA AGENCY
P.O. BOX 497
READING, PA 19603
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-375-6666

N.C.E.S. CODES
6.160000
S.I.C. CODES
22

KEYWORDS
RECRUITING
TEXTILE PROFESSIONALS
RESUMES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000.00

FACILITIES: SCRIPTOMATIC

BUILDINGS: N/A

COLLECTIONS: MAINTAINS WEEKLY RESEARCH AND DEVELOPMENT FORMS; MAILING LIST; SPECIAL INDUSTRY BOOKS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1037
THE YOUNG INDUSTRIES, INC.
ROBERT D. HEYL, DIRECTOR
ENGINEERING DEPARTMENT
P.O. BOX 30
MUNCY, PA 17756
LYCOMING COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-546-3165

N.C.E.S. CODES
14.190000
14.270000
S.I.C. CODES
353
355
344
KEYWORDS
DESIGNING MACHINERY
BULK MATERIAL PROCESSING EQUIPMENT
CUSTOMER APPLICATION
PERSONNEL
2 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

FACILITIES: DRAFTING ROOM; TEST LAB WITH DEMONSTRATION EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: HAS A MINOR REFERENCE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1038
THINCO DIVISION, HULL CORPORATION
JOHN L. HULL, DIRECTOR
THINCO DIVISION
N/A
HATBORO, PA 19040
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-675-5000

N.C.E.S. CODES
14.100000
S.I.C. CODES
367
KEYWORDS
PASSIVE NETWORKS
INDUCTORS
FILTERS
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $300000.00

FACILITIES: ELECTRON BEAM VACUUM DEPOSITION UNIT, DICING SAW, SPECIALIZED TEST EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: U.S.N.A.D.C., WARMINSTER, PA

OUTPUTS: N/A

1039
THOMAS J. SHEPSTONE, CONSULTANTS
THOMAS J. SHEPSTONE, DIRECTOR
THOMAS J. SHEPSTONE, CONSULTANTS
GOLDEN ROAD
HONESDALE, PA 18431
WAYNE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-253-5433

N.C.E.S. CODES
3.020300
S.I.C. CODES
401
KEYWORDS
FEASIBILITY
PROTECTIONS
SUITABILITY

PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $80000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1040
THORO SYSTEM PRODUCTS
MICHAEL KALANDIAK, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
RTE 13 AND BEAVER DAM ROAD, P.O. BOX 578
BRISTOL, PA 19007
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-945-3900

N.C.E.S. CODES
40.050300
40.050600
S.I.C. CODES
324
327
KEYWORDS
WATERPROOFING
PATCHING
CEMENT
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

FACILITIES: LABORATORY

BUILDINGS: APPLICATIONS BUILDING

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1041
THREE B OPTICAL CO., INC.
WILLIAM J. HERDMAN, DIRECTOR
THREE B OPTICAL CO., INC.
3806 GIBSONIA ROAD
GIBSONIA, PA 15044
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-443-5996

N.C.E.S. CODES
40.080700
S.I.C. CODES
323
383
KEYWORDS
OPTICAL SYSTEMS
OPTICAL INSTRUMENTATION DESIGN
OPTICAL INSTRUMENTATION FABRICATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1042
TIMETER INSTRUMENT CORPORATION
DAVE RIEGEL, DIRECTOR
EQUIPMENT DESIGN
2501 OREGON PIKE
LANCASTER, PA 17601
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-569-2695

N.C.E.S. CODES
17.021000
S.I.C. CODES
384
KEYWORDS
RESPIRATORY
AIR COMPRESSORS
CALIBRATION ANALYZERS
PERSONNEL
7 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $225000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1043
TINIUS OLSEN TESTING MACHINE CO. INC.
ROBERT S. STRIMEL, DIRECTOR
RESEARCH AND DEVELOPMENT
P.O. BOX 429 EASTON ROAD
WILLOW GROVE, PA 19090
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-675-7100

N.C.E.S. CODES
14.110000
14.180000
14.990000
S.I.C. CODES
381
382
KEYWORDS
EQUIPMENT TESTING AND DESIGN
INSTRUMENTATION FOR MECHANICAL TESTING
MECHANICAL TESTING OF MATERIALS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: DEVELOPMENT LABORATORY WITH THREE UNIVERSAL TESTING MACHINES, RELATED GRIPS, INSTRUMENTATION, AND PLASTICS TESTING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1044
TIPPINS MACHINERY CO., INC.
VLADIMIR B. GINZBURG, DIRECTOR
RESEARCH & DEVELOPMENT DEPARTMENT
P.O. BOX 9547
PITTSBURGH, PA 15223
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-781-7600

N.C.E.S. CODES
27.030000
14.200000
11.010000
S.I.C. CODES
354
KEYWORDS
STEEL PRODUCTION
TECHNIQUES AND EQUIPMENT
PRODUCT IMPROVEMENT
PERSONNEL
5 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $415000.00

FACILITIES: D.E.C. COMPUTER

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: UNIVERSITY OF CONNECTICUT

OUTPUTS: N/A

1045
TOBIAS ASSOCIATES, INC.
DR. RUSSEL L. TOBIAS, DIRECTOR
TOBIAS ASSOCIATES, INC.
50 INDUSTRIAL DRIVE, P.O. BOX 2699
IVYLAND, PA 18974
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-322-1500

N.C.E.S. CODES
0
S.I.C. CODES
382
381
386
KEYWORDS
GRAPHIC ARTS EQUIPMENT
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: MICROCOMPUTER HARDWARE AND SOFTWARE FOR DEVELOPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1046
TOXPATH SERVICES
CURT H. BARTHEL, DIRECTOR
TOXPATH SERVICES
650 SALFORDIRLLE ROAD
HARLEYSVILLE, PA 19438
MONTGOMERY COUNTY

DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-256-6704

N.C.E.S. CODES
18.240000
26.070400
26.061200
S.I.C. CODES
99
KEYWORDS
SAFETY EVALUATION
ANIMAL PATHOLOGY
TOXICOLOGIC PATHOLOGY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $35000.00

FACILITIES: COMPUTERS, MICROSCOPE

BUILDINGS: N/A

COLLECTIONS: MAINTAINS LIBRARY ON ANIMAL PATHOLOGY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH HISTOLOGY TECHNICAL SERVICES, CONTRACTS WITH LABORATORIES

OUTPUTS: N/A

1047
TRANE THERMAL - PROCESS DIVISION - TRANE CO.
JOSEPH J. SANTOLERI, DIRECTOR
TRANE THERMAL
BROOK ROAD
CONSHOHOCKEN, PA 19428
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-828-5400

N.C.E.S. CODES
0
S.I.C. CODES
343
349
KEYWORDS
COMBUSTION TESTS
INCINERATION
HEAT TRANSFER
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

FACILITIES: THREE INCINERATORS - LIQUID INJECTION FOR AQUEOUS-ORGANIC-INORGANIC WASTES, ORGANIC HALOGENATED, AND FLUIDIZED BED; TWO TEST FURNACES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1048
TRANSCONTEC, INC.
DR. E.E. SANDMEYER, DIRECTOR
LITERATURE RESEARCH
610 FOXHURST ROAD
PITTSBURGH, PA 15238
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-963-8251

N.C.E.S. CODES
11.040000
18.079900
26.020000
S.I.C. CODES
737
KEYWORDS
CONSULTING
SCIENCE
HEALTH AND SCIENCE
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4000.00

BUILDINGS: N/A

COLLECTIONS: CHEMISTRY, BIOCHEMISTRY, AND TOXICOLOGY LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1049
TRANSDUCER SYSTEMS INC.
MR. WALTER KIESLICH, DIRECTOR
TSI - R&D DEPARTMENT
1510 DELP DRIVE
KULPSVILLE, PA 19443
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-256-4611

N.C.E.S. CODES
35.366000
S.I.C. CODES
99
KEYWORDS
ELECTROMAGNETIC SENSORS
PERSONNEL
3 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $380000.00

FACILITIES: R&D LAB

BUILDINGS: N/A

COLLECTIONS: TECHNICAL MAGAZINES AND TEXT BOOKS

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1050
TRI-COUNTY REGIONAL PLANNING COMMISSION
MR. JAMES R. ZEITERS, DIRECTOR
TRI-COUNTY REGIONAL PLANNING COMMISSION
2001 NORTH FRONT STREET, SUITE 221
HARRISBURG, PA 17112
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-234-2639

N.C.E.S. CODES
3.020100
44.050000
11.040000
S.I.C. CODES
99
KEYWORDS
TRANSPORTATION
LOCAL REGULATIONS
HOUSING
PERSONNEL
7 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $320000.00

BUILDINGS: N/A

COLLECTIONS: PLANNING LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1051
TRIM-MASTER CORPORATION
L.A. TRANOVICH, DIRECTOR
TRIMCO RESEARCH AND DEVELOPMENT
4860 NORTH 5TH STREET HIGHWAY
TEMPLE, PA 19560
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-921-0203

N.C.E.S. CODES
14.280000
8.010000
14.010000
S.I.C. CODES
344
345
346
KEYWORDS
GARMENT MAKING PROCESSES
GARMENT MAKING EQUIPMENT
TRANSPORTING EQUIPMENT
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

FACILITIES: DESIGN AND DRAFTING AREA; SMALL MACHINE SHOP AND FABRICATION AREA SUPPORTED BY CORPORATE MACHINING AND FABRICATION AREA; ASSEMBLY, TEST AREA

BUILDINGS: N/A

COLLECTIONS: ENGINEERING LIBRARY; COLLECTION OF EQUIPMENT, IDEAS, ARTICLES AND PATENTS PERTAINING TO CURRENT EQUIPMENT

COOPERATIVE ARRANGEMENTS: WITH CORPORATIONS

OUTPUTS: N/A

1052
TRUXELL INTERVIEWING SERVICE
HELEN TRUXELL, DIRECTOR
MARKET RESEARCH
12 FEDERAL DRIVE
PITTSBURGH, PA 15235
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-371-0643

N.C.E.S. CODES
6.140000
S.I.C. CODES
731

KEYWORDS
  INFORMATION GATHERING
  PUBLIC OPINION
PERSONNEL
  1 RESEARCH PROFESSIONALS
  15 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1053
TRW INC., TURBINE AIRFOILS DIVISION
DR. STEPHEN C. CHEN, DIRECTOR
ADVANCED PROCESS ENGINEERING CENTER
1400 NORTH CAMERON ROAD
HARRISBURG, PA 17105
DAUPHIN COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-255-3473

N.C.E.S. CODES
  14.180000
  14.190000
  11.030000
S.I.C. CODES
  346
  347
  372
KEYWORDS
  MFG. TECHNOLOGY
  TURBINE COMPONENTS
  AUTOMATION
PERSONNEL
  5 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

FACILITIES: ROBOT; COMPUTER; LASER; GRINDERS; WELDER; HEAT TREATMENT FURNACE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1054
TWIN RIVERS COUNCIL OF GOVERNMENTS
MR. JAMES MORRISON, DIRECTOR
TWIN RIVERS COUNCIL OF GOVERNMENTS
810 WALNUT STREET
MCKEESPORT, PA 15132
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-678-8651

N.C.E.S. CODES
  44.040000
  44.060000
S.I.C. CODES
  919
KEYWORDS
  TECHNICAL ASSISTANCE
  GRANTSMANSHIP
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $60000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1055
U.S. DEPARTMENT OF AGRICULTURE
HERBERT L. ROTHBART, DIRECTOR
EASTERN REGIONAL RESEARCH CENTER, AGRICULTURAL RESEARCH SERVICE
600 EAST MERMAID LANE
PHILADELPHIA, PA 19118
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-233-6593

N.C.E.S. CODES
  2.030100
  2.040100
  2.020100
S.I.C. CODES
  20
  1
  2
KEYWORDS
  AGRICULTURAL PRODUCTS
  FOOD SAFETY AND QUALITY
  POST HARVEST SCIENCE AND TECHNOLOGY
PERSONNEL
  120 RESEARCH PROFESSIONALS
  60 SUPPORT PROFESSIONALS

90 TECHNICAL STAFF
30 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $12900000.00

FACILITIES: FULLY EQUIPPED LABORATORIES WITH ALL LEVELS OF RESEARCH INSTRUMENTATION INCLUDING NMR SPECTROSCOPY, HPLCS, GLCS, ELECTRON MICROSCOPES, AND ELECTROPHORESIS

BUILDINGS: ONE MAIN LABORATORY BUILDING HOUSING 100 RESEARCH LABORATORY UNITS AND RESEARCH FOOD PROCESSING AREAS; SEVERAL SATELITE RESEARCH BUILDINGS INCLUDING AN ANIMAL BIOMATERIALS AND HIDE RESEARCH BUILDING, A HAZARDOUS CHEMICAL OPERATIONS AND FOOD IRRADIATION BUILDING, A BUILDING FOR MEAT RESEARCH, AND A FOOD SAFETY RESEARCH BUILDING

COLLECTIONS: MAINTAINS A FULLY FUNCTIONAL LIBRARY WITH OVER 500 TECHNICAL PERIODICALS, MAINTAINED STOCKS, AND COMPLETE LITERATURE RETRIEVAL SYSTEM

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1056
ULTRASONICS INTERNATIONAL INC.
DR. M. AVIOLI, DIRECTOR
RESEARCH AND DEVELOPMENT
3 - NESHAMINY INTERPLEX, SUITE 215
TREVOSE, PA 19047
BUCKS COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-638-7440

N.C.E.S. CODES
14.120000
17.021200
11.030000
S.I.C. CODES
493
KEYWORDS
SIGNAL PROCESSING
PATTERN RECOGNITION
SYSTEMS DEVELOPMENT
PERSONNEL
3 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $470000.00

FACILITIES: PDP-11/34 COMPUTER, PDP-11/23 COMPUTER, ULTRASONIC TEST INSTRUMENTS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: DREXEL UNIVERSITY

OUTPUTS: N/A

1057
UNIFLOW MFG. CO.
EDWARD C. POTTHOFF, DIRECTOR
UNIFLOW MFG. CO.
1525 EAST LAKE ROAD
ERIE, PA 16512
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-453-6761

N.C.E.S. CODES
0
S.I.C. CODES
99
KEYWORDS
REFRIGERATION EQUIPMENT
ELECTRONIC DEVELOPMENT
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
0 SUPPORT STAFF

FACILITIES: APPLE COMPUTER, VARIOUS METERS AND RECORDERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1058
UNION SWITCH AND SIGNAL DIVISION - AMERICAN
STANDARD, INC.
FRANKLIN E. YOUNG, DIRECTOR
RESEARCH AND DEVELOPMENT
1789 SOUTH BRADDOCK AVENUE
PITTSBURGH, PA 15218
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-273-4107

N.C.E.S. CODES
8.081100
14.141000
14.141900
S.I.C. CODES
374
366
379

KEYWORDS
RAILROAD SIGNALING AND COMMUNICATIONS
PROTOTYPE PRODUCTS FOR COMPANY MANUFACTURE
RAILROAD COMMUNICATION SYSTEMS
PERSONNEL
65 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
9 TECHNICAL STAFF
11 SUPPORT STAFF

FACILITIES: LABORATORIES AND OFFICES; ENVIRONMENTAL TEST CHAMBERS; MECHANICAL AND ELECTRONIC TEST EQUIPMENT AND FACILITIES

BUILDINGS: N/A

COLLECTIONS: SIGNALING AND CONTROL OF RAILROAD OPERATIONS INFORMATION

COOPERATIVE ARRANGEMENTS: CARNEGIE-MELLON INSTITUTE (FELLOWSHIPS); VARIOUS RAILROAD CUSTOMERS

OUTPUTS: N/A

1059
UNITED PENN BANK
MARIAN PALMERI, DIRECTOR
MARKETING RESEARCH
8-18 WEST MARKET STREET
WILKES-BARRE, PA 18711
LUZERNE COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-826-2757

N.C.E.S. CODES
0
S.I.C. CODES
602
KEYWORDS
STATISTICAL
ANALYTICAL
FACT FINDING
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000.00

FACILITIES: RADIO SHACK TRS-80 MODEL III MICROCOMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1060
UNITED STATES STEEL CORPORATION
DR. WILLIAM J. MURPHY, DIRECTOR
RESEARCH LABORATORY
125 JAMISON LANE
MONROEVILLE, PA 15146
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-372-1212

N.C.E.S. CODES
40.070100
14.200000
14.070000
S.I.C. CODES
331
289
12
KEYWORDS
STEEL
CHEMICALS
ENVIRONMENTAL CONTROL
PERSONNEL
378 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
249 TECHNICAL STAFF
125 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $57000000.00

FACILITIES: 1.3 MILLION VOLT ELECTRON MICROSCOPE FACILITY, CONTINUOUS CASTER PILOT PLANT, PILOT PLANT HOT ROLLING MILLS

BUILDINGS: N/A

COLLECTIONS: TECHNICAL INFORMATION CENTER - VARIOUS METALLURGY AND PHYSICAL SCIENCES COLLECTIONS AND JOURNALS, RELATED MASTERS AND DOCTORATE THESES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1061
UNIVERSAL TECHNICAL TESTING LABS, INC.
MR. CARL M. MODES, DIRECTOR
UNIVERSAL TECHNICAL TESTING LABS, INC.
P.O. BOX 372
COLLINGDALE, PA 19023
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-586-3070

N.C.E.S. CODES
14.180000
14.200000
S.I.C. CODES
899

KEYWORDS
NONDESTRUCTIVE TESTING
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
11 TECHNICAL STAFF
5 SUPPORT STAFF

FACILITIES: FOUR LARGE SHIELDED RADIATION EXPOSURE ROOMS, THREE WITH INDEPENDENT CRANE SERVICE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1062
UNIVERSAL-CYCLOPS SPECIALTY STEEL DIVISION:
CYCLOPS CORPORATION
L.W. LHERBIER, DIRECTOR
DIVISION OF RESEARCH AND DEVELOPMENT LABORATORY
MAYER STREET
BRIDGEVILLE, PA 15017
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-221-8000 EXT. 300

N.C.E.S. CODES
14.200000
40.070100
S.I.C. CODES
339
331
KEYWORDS
ALLOYS
VACUUM MELTING/REMELTING PROCESSES
STAINLESS STEELS
PERSONNEL
13 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2500000.00

FACILITIES: INERT GAS ATOMIZATION FACILITIES TO PRODUCE METAL POWDER AND FACILITIES FOR CONSOLIDATING POWDER VIA PROPRIETARY PROCESS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1063
UNIVERSITY CITY SCIENCE CENTER
DON H. OVERLY, DIRECTOR
RESEARCH INSTITUTE
3624 MARKET STREET,
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-387-2255

N.C.E.S. CODES
26.040000
11.040000
44.050000
S.I.C. CODES
892
KEYWORDS
BASIC RESEARCH
PROBLEM SOLVERS
APPLIED RESEARCH
PERSONNEL
50 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
35 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $5000000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: UCSC'S MEMBER INSTITUTIONS

OUTPUTS: N/A

1064
UNIVERSITY OF PENNSYLVANIA
DR. JAMSHID GHARAJEDAGHI, DIRECTOR
BUSCH CENTER
420 VANCE HALL, THE WHARTON SCHOOL
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-5126

N.C.E.S. CODES
6.061300
6.061500
30.300600
S.I.C. CODES
892
739
KEYWORDS
SOCIAL SYSTEMS
SYSTEMS DESIGN
INTERACTIVE/STRATEGIC PLANNING
PERSONNEL
5 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS

0 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $900000.00
SOURCES: ANHEUSER-BUSCH COMPANIES; ALCOA; SUPER FRESH; BALLARD, SPAHR, ANDREWS AND INGERSOL; CONTINENTAL CAN; CLARK INDUSTRIES
PAST FUNDING
AVERAGE AMOUNT = $900000.00
SOURCES: ANHEUSER-BUSCH COMPANIES; VOLVO; NATIONAL LIFE INSURANCE CO.; COMMUNITY HOME HEALTH SERVICES OF PHILADELPHIA; ROHM AND HAAS; BORG-WARNER CHEMICAL

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: WITH OTHER UNIVERSITY DEPARTMENTS; COLLABORATIVE RELATIONS WITH A LARGE NUMBER OF RESEARCH GROUPS

OUTPUTS: SEVERAL PROFESSIONAL ARTICLES; STRATEGIC PLANNING FOR MORE THAN 20 DIFFERENT CORPORATIONS

1065
UNIVERSITY OF PENNSYLVANIA
DR. ALFRED P. FISHMAN, DIRECTOR
CARDIOVASCULAR-PULMONARY DIVISION
895 MALONEY BUILDING, HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA, 36TH AND SPRUCE
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-662-3194

N.C.E.S. CODES
18.020500
18.020100
17.021000
S.I.C. CODES
99
KEYWORDS
BIOMEDICAL RESEARCH
PULMONARY
CARDIOVASCULAR
PERSONNEL
15 RESEARCH PROFESSIONALS
30 SUPPORT PROFESSIONALS
30 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2000000.00
SOURCES: NIH; HOSPITAL SERVICES; ENDOWMENTS; DRUG COMPANIES
PAST FUNDING
AVERAGE AMOUNT = $2000000.00
SOURCES: NIH; HOSPITAL SERVICES; ENDOWMENTS; DRUG COMPANIES

FACILITIES: COMPUTERS; PULMONARY FUNCTION LAB; HEMODYNAMICS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: HAND-CARRIED PULMONARY FUNCTION CALCULATORS

1066
UNIVERSITY OF PENNSYLVANIA
DR. ALAN LEVY, DIRECTOR
CENTER FOR ENVIRONMENTAL DESIGN AND PLANNING
ROOM 102, GSFA/CJ
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-8799

N.C.E.S. CODES
4.010000
3.050000
1.060500
S.I.C. CODES
891
KEYWORDS
ENVIRONMENTAL DESIGN AND PLANNING
CITY PLANNING
ARCHITECTURE
PERSONNEL
7 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00
SOURCES: LOCAL GOVERNMENT SOURCES; UNIVERSITY OF PENNSYLVANIA; DOE; DOT
PAST FUNDING
AVERAGE AMOUNT = $330000.00
SOURCES: LOCAL GOVERNMENT SOURCES; UNIVERSITY OF PENNSYLVANIA; DOE; DOT; NSF

FACILITIES: DRAFTING ROOM AND STUDIO FOR 12-15 STATIONS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH RESEARCH CENTERS

OUTPUTS: FEASIBILITY STUDIES; REVITALIZATION PLANS; PARKING STUDIES; ADAPTIVE REUSE STUDIES; PARK DESIGN; PLANNING MODELLING METHODS; STUDIES IN ACID RAIN

1067
UNIVERSITY OF PENNSYLVANIA
DR. DAVID C. SCHMITTLEIN, DIRECTOR
CENTER FOR MARKETING STRATEGY RESEARCH
MARKETING DEPARTMENT, THE WHARTON SCHOOL
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-8248

N.C.E.S. CODES
6.149900
S.I.C. CODES
892
KEYWORDS
MARKETING STRATEGIES
CURRENT FUNDING
AVERAGE AMOUNT = $30000.00
SOURCES: PEPSICO FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $30000.00
SOURCES: PEPSICO FOUNDATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL REPORTS

1068
UNIVERSITY OF PENNSYLVANIA
DR. ELLEN O. FULLER, DIRECTOR
CENTER FOR NURSING RESEARCH
420 SERVICE DRIVE
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-3151

N.C.E.S. CODES
18.160100
18.110300
18.110600
S.I.C. CODES
805
806
808
KEYWORDS
NURSING FACULTY RESEARCH DEVELOPMENT
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: MABEL PEW MYRIN TRUST
PAST FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: MABEL PEW MYRIN TRUST

FACILITIES: 4 COMPUTER TERMINALS, WORD PROCESSOR

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A GRANT WRITING LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL ARTICLES IN PROFESSIONAL JOURNALS; SEVERAL NATIONAL GRANTS OBTAINED

1069
UNIVERSITY OF PENNSYLVANIA
DR. DAVID M. SMITH, DIRECTOR
CENTER FOR URBAN ETHNOGRAPHY
GRADUATE SCHOOL OF EDUCATION, A-55, 3700 WALNUT STREET
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-6998

N.C.E.S. CODES
45.110000
45.120000
42.070000
S.I.C. CODES
892
941
899
KEYWORDS
ETHNOGRAPHY
LITERACY
CASE STUDIES
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $60000.00
SOURCES: NIE; UNIVERSITY OF PENNSYLVANIA
PAST FUNDING
AVERAGE AMOUNT = $120000.00
SOURCES: NIE; UNIVERSITY OF PENNSYLVANIA

FACILITIES: TAPING/TRANSCRIBING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: MAINTAINS COLLECTION OF ETHNOGRAPHY RESEARCH REPORTS AND LITERACY RESEARCH REPORTS

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE PHILADELPHIA SCHOOLS AND THE UNIVERSITY CITY SCIENCE CENTER

OUTPUTS: NUMEROUS REPORTS AND INSERVICES

1070
UNIVERSITY OF PENNSYLVANIA
DR. PAUL D. STOLLEY, DIRECTOR
CLINICAL EPIDEMIOLOGY UNIT
2L MEB/S2, SCHOOL OF MEDICINE
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-7392

N.C.E.S. CODES
18.060000
18.102200
18.109900
S.I.C. CODES
809
806
808
KEYWORDS
CLINICAL EPIDEMIOLOGY
DRUG EPIDEMIOLOGY
EPIDEMIOLOGIC METHODS
PERSONNEL
5 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00
SOURCES: NIM; MELLON FOUNDATION; PHARMACEUTICAL INDUSTRY; DANN FOUNDATION; ROCKEFELLER FOUNDATION; OTHER INDUSTRY
PAST FUNDING
AVERAGE AMOUNT = $1000000.00
SOURCES: NIM; MELLON FOUNDATION; PHARMACEUTICAL INDUSTRY; DANN FOUNDATION; ROCKEFELLER FOUNDATION; OTHER INDUSTRY

FACILITIES: COMPUTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PUBLICATIONS

1071
UNIVERSITY OF PENNSYLVANIA
DR. R. DOTY, DIRECTOR
CLINICAL TASTE AND SMELL RESEARCH CENTER
5 RAUDIN BUILDING, HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-662-2797

N.C.E.S. CODES
2.030600
14.050000
18.101700
S.I.C. CODES
806
899
951
KEYWORDS
CHEMICAL SENSES
TASTE
OTORHINOLARYNGOLOGY
PERSONNEL
15 RESEARCH PROFESSIONALS
23 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00
SOURCES: NINCDS; PRIVATE SOURCES

FACILITIES: CLINICAL HUMAN TESTING AND BIOCHEMICAL LABS; OLFACTOMETER; ENVIRONMENTAL ROOM

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH NUMEROUS ORGANIZATIONS

OUTPUTS: OVER 20 ARTICLES IN PROFESSIONAL JOURNALS; NUMEROUS PRESENTATIONS

1072
UNIVERSITY OF PENNSYLVANIA
DR. RICHARD J. HICKEY, DIRECTOR
ECOLOGICAL STATISTICAL RESEARCH GROUP
DEPARTMENT OF STATISTICS, THE WHARTON SCHOOL
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-6801

N.C.E.S. CODES
18.060000
27.050000
26.020000
S.I.C. CODES
809
283
899
KEYWORDS
BIOSTATISTICS
ECOLOGY
RADIOBIOLOGY
PERSONNEL
5 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF

CURRENT FUNDING
  AVERAGE AMOUNT = $50000.00
  SOURCES: THE COUNCIL FOR TOBACCO RESEARCH - USA, INC.
PAST FUNDING
  AVERAGE AMOUNT = $94263.00
  SOURCES: THE COUNCIL FOR TOBACCO RESEARCH - USA, INC.

FACILITIES: COMPUTERS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIMITED SPECIALIZED LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS PROFESSIONAL PUBLICATIONS

1073
UNIVERSITY OF PENNSYLVANIA
DR. JOSEPH SOFFEN, DIRECTOR
ESTHER LAZARUS - ALBERT D. GOLDMAN CENTER FOR THE STUDY OF SOCIAL WORK PRACTICE
3701 LOCUST
PHILADELPHIA, PA 19174
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-5523

N.C.E.S. CODES
  44.070000
  17.040000
  44.070200
S.I.C. CODES
  832
  944
KEYWORDS
  PROGRAM EVALUATION
  COMMUNITY STUDIES
  COMMUNITY ORGANIZATION
PERSONNEL
  2 RESEARCH PROFESSIONALS
  15 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: RUTH E. SMALLEY LIBRARY OF SCHOOL OF SOCIAL WORK

COOPERATIVE ARRANGEMENTS: WITH OTHER DEPARTMENTS WITHIN THE UNIVERSITY; WITH CONSORTIUMS OF HEALTH AGENCIES, CHILD WELFARE AGENCIES

OUTPUTS: SEVERAL ARTICLES; EVALUATIONS

1074
UNIVERSITY OF PENNSYLVANIA
DR. EUGENE W. BEIER, DIRECTOR
HIGH ENERGY PHYSICS AND ELEMENTARY PARTICLE RESEARCH PROGRAM
33RD AND WALNUT
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-5960

N.C.E.S. CODES
  40.080400
S.I.C. CODES
  99
KEYWORDS
  ELEMENTARY PARTICLES
  PARTICLE PHYSICS
PERSONNEL
  29 RESEARCH PROFESSIONALS
  8 SUPPORT PROFESSIONALS
  16 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2850000.00
  SOURCES: DEPARTMENT OF ENERGY
PAST FUNDING
  AVERAGE AMOUNT = $2600000.00
  SOURCES: DEPARTMENT OF ENERGY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH NATIONAL LABORATORIES

OUTPUTS: RESEARCH AND DEVELOPMENT IN RADIATION DETECTORS

1075
UNIVERSITY OF PENNSYLVANIA
DR. ROY D. SCHMICKEL, DIRECTOR
HUMAN GENETICS CENTER
195 MEDICAL LABS BUILDING/G3
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-3582

N.C.E.S. CODES
  18.101900
  26.070300
S.I.C. CODES
  99
KEYWORDS
  GENETIC ENGINEERING
  MOLECULAR BIOLOGY
  HUMAN GENETICS

PERSONNEL
  25 RESEARCH PROFESSIONALS
  12 SUPPORT PROFESSIONALS
  32 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2300000.00
  SOURCES: NATIONAL INSTITUTES OF HEALTH; UNIVERSITY OF PENNSYLVANIA; CANCER SOCIETY
PAST FUNDING
  AVERAGE AMOUNT = $2160000.00
  SOURCES: NATIONAL INSTITUTES OF HEALTH; UNIVERSITY OF PENNSYLVANIA; CANCER SOCIETY

FACILITIES: CHEMICAL AND BIOLOGICAL LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NIH REPORTS; ARTICLES IN SCIENTIFIC JOURNALS

1076
UNIVERSITY OF PENNSYLVANIA
DR. HOWARD E. MITCHELL, DIRECTOR
HUMAN RESOURCES CENTER AND UNIVERSITY CENTER FOR TRANSIT RESEARCH AND MANAGEMENT DEVELOPMENT
3100 STEINBERG HALL-DIETRICH HALL, 3620 LOCUST WALK, THE WHARTON SCHOOL
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-7818

N.C.E.S. CODES
  6.060600
  6.060100
  6.061500
S.I.C. CODES
  941
  944
  411
KEYWORDS
  HUMAN RESOURCES DEVELOPMENT
  ORGANIZATIONAL PROBLEMS
  DECISION-MAKING
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $430000.00
  SOURCES: UMTA; UPS
PAST FUNDING
  AVERAGE AMOUNT = $223000.00
  SOURCES: UMTA; UPS

FACILITIES: AUDIO-VISUAL EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: UTILIZES THE HUMAN RESOURCES CENTER LIBRARY AND LIPPENCOTT LIBRARY OF THE WHARTON SCHOOL

COOPERATIVE ARRANGEMENTS: WITH OTHER UNIVERSITY DEPARTMENTS

OUTPUTS: CASE HISTORIES IN HUMAN RESOURCES MANAGEMENT IN PUBLIC MASS TRANSPORTATION; NEWSLETTER; SEVERAL ARTICLES; HRD STUDY OF SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY

1077
UNIVERSITY OF PENNSYLVANIA
DR. C.J. LAMBERTSEN, DIRECTOR
INSTITUTE FOR ENVIRONMENTAL MEDICINE
14 MEDICAL LABORATORIES BUILDING, 36TH STREET AND HAMILTON WALK
PHILADELPHIA, PA 19174
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-243-8692

N.C.E.S. CODES
  18.230000
  26.070600
  18.102200
S.I.C. CODES
  809
KEYWORDS
  INDUSTRIAL MEDICINE
  ENVIRONMENTAL MEDICINE
  RESPIRATORY TOXICOLOGY
PERSONNEL
  16 RESEARCH PROFESSIONALS
  20 SUPPORT PROFESSIONALS
  56 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1500000.00
  SOURCES: INDUSTRY, U.S. GOVERNMENT
PAST FUNDING
  AVERAGE AMOUNT = $1900000.00
  SOURCES: INDUSTRY, U.S. GOVERNMENT

FACILITIES: ADVANCE ENVIRONMENTAL SIMULATORS

BUILDINGS: LABORATORY BUILDING

COLLECTIONS: MAINTAINS A LIBRARY OF 200 VOLUMES ON DIVING MEDICINE, RESPIRATORY PHYSIOLOGY, AND PHARMACOLOGY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS REPORTS

1078
UNIVERSITY OF PENNSYLVANIA
DR. BRITTON CHANCE, DIRECTOR
JOHNSON RESEARCH FOUNDATION
SCHOOL OF MEDICINE
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-243-7159

N.C.E.S. CODES
26.020000
26.049900
30.010000
S.I.C. CODES
99
KEYWORDS
NUCLEAR MAGNETIC RESONANCE
OPTICAL TECHNIQUES
CELL AND TISSUE BIOENERGETICS
PERSONNEL
13 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
22 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $700000.00
SOURCES: NIH; NSF
PAST FUNDING
AVERAGE AMOUNT = $700000.00
SOURCES: NIH; NSF

FACILITIES: NMR APPARATUS SUITABLE FOR ANIMAL AND HUMAN STUDIES; OPTICAL AND EPR SPECTROMETERS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS THE JOHNSON FOUNDATION LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH THE UNIVERSITY CITY SCIENCE CENTER

OUTPUTS: NUMEROUS SCIENTIFIC JOURNAL ARTICLES; REPORTS TO NIH, SNF, SSRL

1079
UNIVERSITY OF PENNSYLVANIA
DR. STUART FLEMING, DIRECTOR
MUSEUM APPLIED SCIENCE CENTER FOR ARCHAEOLOGY (MASCA)
33RD AND SPRUCE
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-243-4058

N.C.E.S. CODES
40.079900
26.070400
40.060200
S.I.C. CODES
892
KEYWORDS
ARCHAEOMETRY
PALAEOPATHOLOGY
ARCHAEOMETALLURGY
PERSONNEL
3 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $186900.00
SOURCES: UNIVERSITY OF PENNSYLVANIA; SUBCONTRACTS; JOURNAL SUBSCRIPTIONS
PAST FUNDING
AVERAGE AMOUNT = $163000.00
SOURCES: UNIVERSITY OF PENNSYLVANIA; SUBCONTRACTS; JOURNAL SUBSCRIPTIONS

FACILITIES: MICROSCOPY FOR METALLOGRAPHY AND PETROGRAPHY

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIBRARY OF 200 VOLUMES ON SCIENCE AND ARCHAEOLOGY

COOPERATIVE ARRANGEMENTS: WITH THE BARTOL FOUNDATION OF THE UNIVERSITY OF DELAWARE

OUTPUTS: NUMEROUS ARTICLES IN THE MASCA JOURNAL; SUBCONTRACTS FOR FAUNAL, FLORAL AND METALS ANALYSIS ON ARCHAEOLOGICAL SITES IN NORTHEASTERN UNITED STATES; CONTRIBUTION TO THE EXHIBITION, "EGYPTIAN MUMMY: SECRET AND SCIENCE"

1080
UNIVERSITY OF PENNSYLVANIA
DR. JOHN E. GORDON, DIRECTOR
NEUROPSYCHOLOGY LABORATORY
HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA, BOX 692
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-662-2898

N.C.E.S. CODES
42.020000
17.080000
17.040000
S.I.C. CODES
804
809

KEYWORDS
NEUROPSYCHOLOGY
NEUROPSYCHOLOGICAL ASSESSMENT
REHABILITATION
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $33461.00
SOURCES: CHILDREN'S CANCER RESEARCH CENTER (NATIONAL INSTITUTE OF CANCER)
PAST FUNDING
AVERAGE AMOUNT = $35000.00
SOURCES: CHILDREN'S CANCER RESEARCH CENTER (NATIONAL INSTITUTE OF CANCER); NATIONAL INSTITUTES OF NEUROLOGICAL DISEASE

FACILITIES: COMPLETE NEUROPSYCHOLOGICAL LABORATORY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PROFESSIONAL PUBLICATIONS

1081
UNIVERSITY OF PENNSYLVANIA
DR. DAN M. MCGILL, DIRECTOR
PENSION RESEARCH COUNCIL
310 COLONIAL PENN CENTER, 3641 LOCUST WALK
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-667-0696

N.C.E.S. CODES
6.080000
6.110000
6.100000
S.I.C. CODES
637
KEYWORDS
PENSIONS
PUBLIC POLICY
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $60000.00
SOURCES: CORPORATIONS; BOOK SALES REVENUE
PAST FUNDING
AVERAGE AMOUNT = $60000.00
SOURCES: CORPORATIONS; BOOK SALES REVENUE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL BOOK PUBLICATIONS

1082
UNIVERSITY OF PENNSYLVANIA
DR. THEODORE HERSHBERG, DIRECTOR
PHILADELPHIA SOCIAL HISTORY PROJECT
4025 CHESTNUT STREET, SUITE 600
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-8713

N.C.E.S. CODES
45.050100
45.060100
45.120100
S.I.C. CODES
99
KEYWORDS
DEMOGRAPHY
HISTORICAL STUDIES
URBAN STUDIES
PERSONNEL
9 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $379584.00
SOURCES: NATIONAL INSTITUTE OF MENTAL HEALTH; NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
PAST FUNDING
AVERAGE AMOUNT = $405896.00
SOURCES: NATIONAL SCIENCE FOUNDATION; NATIONAL INSTITUTE OF MENTAL HEALTH; NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT

FACILITIES: NETWORK OF IBM PERSONAL COMPUTERS USED FOR DATA ENTRY, WORD AND DATA PROCESSING

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A MACHINE-READABLE DATA BASE DESCRIBING PHILADELPHIA'S POPULATION, ECONOMY, AND INFRASTRUCTURE FROM 1850 TO PRESENT; ASSORTED HISTORICAL DOCUMENTS

COOPERATIVE ARRANGEMENTS: CURRENTLY PART OF THE SCHOOL OF PUBLIC AND URBAN POLICY

OUTPUTS: NUMEROUS PAPERS

1083
UNIVERSITY OF PENNSYLVANIA
DR. IRWIN FRIEND, DIRECTOR
RODNEY L. WHITE CENTER FOR FINANCIAL RESEARCH
SUITE 3300 STEINBERG HALL
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-7616

N.C.E.S. CODES
6.010000
6.050000
6.100000
S.I.C. CODES
892
KEYWORDS
FINANCIAL MANAGEMENT
INTERNATIONAL FINANCE
CAPITAL MARKETS
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $175000.00
SOURCES: CONTRIBUTING MEMBERS; ENDOWMENTS; FOUNDATIONS
PAST FUNDING
AVERAGE AMOUNT = $175000.00
SOURCES: CONTRIBUTING MEMBERS; ENDOWMENTS; FOUNDATIONS

FACILITIES: COMPUTER TERMINALS; BASIC DATA FILES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: EXPECTED RATE OF RETURN FOR NYSE COMPANIES; MEASURES OF RISK FOR LISTED AND UNLISTED COMPANIES; IMPEDIMENTS TO CAPITAL FORMATION; OVER 60 WORKING PAPERS

1084
UNIVERSITY OF PENNSYLVANIA
DR. DAN M. MCGILL, DIRECTOR
S.S. HUEBNER FOUNDATION FOR INSURANCE EDUCATION
310 COLONIAL PENN CENTER, 3641 LOCUST WALK
PHILADELPHIA, PA 19004
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-7762

N.C.E.S. CODES
6.080000
S.I.C. CODES
631
632
637
KEYWORDS
N/A

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1085
UNIVERSITY OF PENNSYLVANIA
DR. JOHN M. EISENBERG, DIRECTOR
SECTION OF GENERAL INTERNAL MEDICINE
3 SILVERSTEIN PAVILION, HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-662-3795

N.C.E.S. CODES
18.101000
18.070100
18.100100
S.I.C. CODES
801
806
808
KEYWORDS
HEALTH ECONOMICS
CLINICAL DECISION ANALYSIS
HEALTH CARE RESEARCH
PERSONNEL
10 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $500000.00
SOURCES: NATIONAL CENTER HEALTH SERVICES RESEARCH; HARTFORD FOUNDATION; KAISER FOUNDATION; MILBARK FUND; SMITH KLINE
PAST FUNDING
AVERAGE AMOUNT = $500000.00
SOURCES: HEALTH CARE FINANCING ADMINISTRATION; HARTFORD FOUNDATION; SMITH KLINE; KAISER FOUNDATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: COST-BENEFIT OF A NEW DRUG; CONSUMER PREFERENCE REGARDING HEALTH INSURANCE; DIAGNOSTIC TEST UTILIZATION REVIEW; DIAGNOSIS RELATED GROUPS;

NUMEROUS RESEARCH REPORTS

1086
UNIVERSITY OF PENNSYLVANIA
DR. ROBERT H. DYSON, DIRECTOR
THE UNIVERSITY MUSEUM
33RD AND SPRUCE STREET
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-898-4050

N.C.E.S. CODES
0
S.I.C. CODES
841
KEYWORDS
EXCAVATIONS
ANTHROPOLOGY
ARCHAEOLOGY
PERSONNEL
29 RESEARCH PROFESSIONALS
25 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
55 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4819.00
SOURCES: UNIVERSITY OF PENNSYLVANIA, GIFTS, GRANTS AND ENDOWMENTS
PAST FUNDING
AVERAGE AMOUNT = $4984.00
SOURCES: UNIVERSITY OF PENNSYLVANIA, GIFTS, GRANTS AND ENDOWMENTS

BUILDINGS: ONE MAIN MUSEUM BUILDING

COLLECTIONS: MAINTAINS A LIBRARY OF 70000 VOLUMES ON ANTHROPOLOGY AND ARCHAEOLOGY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL MONOGRAPHS

1087
UNIVERSITY OF PENNSYLVANIA
DR. PETER DAVIS, DIRECTOR
WHARTON APPLIED RESEARCH CENTER
3508 MARKET STREET, SUITE 100
PHILADELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-243-6320

N.C.E.S. CODES
6.010000
6.040300
6.060000
S.I.C. CODES
892
KEYWORDS
STRATEGIC PLANNING
ORGANIZATIONAL DESIGN
MANAGEMENT EDUCATION
PERSONNEL
15 RESEARCH PROFESSIONALS
25 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
6 SUPPORT STAFF

FACILITIES: COMPUTING AND WORD PROCESSING EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: UTILIZES THE VAN PELT AND LIPPINCOTT LIBRARIES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: AT&T MARKET ADMINISTRATORS STAKEHOLDER TRAINING SESSIONS; A STUDY TO EXAMINE THE CAPITAL REQUIREMENTS OF THE U.S. AQUACULTURE INDUSTRY; DEVELOPMENT OF THE PHILADELPHIA EXPORT NETWORK; A REVIEW OF THE GUARANTEED STUDENT LOAN SPECIAL ALLOWANCE

1088
UNIVERSITY OF PITTSBURGH
DR. RICHARD K. OLSON, DIRECTOR
CENTER FOR APPLIED SCIENCE AND TECHNOLOGY
106 MINERAL INDUSTRIES BUILDING
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-2024

N.C.E.S. CODES
18.100100
14.999900
S.I.C. CODES
99
KEYWORDS
ENERGY
ENVIRONMENT
HEALTH AND MEDICINE
CURRENT FUNDING
AVERAGE AMOUNT = $90000.00
SOURCES: COMMONWEALTH OF PENNSYLVANIA; U.S. GOVERNMENT; FOUNDATIONS
PAST FUNDING
AVERAGE AMOUNT = $90000.00
SOURCES: COMMONWEALTH OF PENNSYLVANIA; U.S. GOVERNMENT; FOUNDATIONS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1089
UNIVERSITY OF PITTSBURGH
NICHOLAS RESCHER, DIRECTOR
CENTER FOR THE PHILOSOPHY OF SCIENCE
705 SCHENLEY HALL
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-5775

N.C.E.S. CODES
30.040100
S.I.C. CODES
99
KEYWORDS
PHILOSOPHY
PHILOSOPHICAL PROBLEMS
PERSONNEL
0 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $90000.00
SOURCES: NATIONAL SCIENCE FOUNDATION; OTHER FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $90000.00
SOURCES: NATIONAL SCIENCE FOUNDATION; OTHER FOUNDATION

FACILITIES: ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: N/A

COLLECTIONS: ARCHIVES OF THE HISTORY OF SCIENTIFIC PHILOSOPHY IN THE 20TH CENTURY, INCLUDING THE COLLECTIONS OF THE PAPERS OF THE RUDOLF CARNAP, HANS REICHENBACH, AND FRANK PLUMPTON RAMSEY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PUBLICATIONS IN PROFESSIONAL JOURNALS; BOOK PUBLICATIONS; CONFERENCES; WORKSHOPS; PUBLIC LECTURES

1090
UNIVERSITY OF PITTSBURGH
LEON MONTGOMERY, DIRECTOR
COMMUNICATIONS PROGRAMS
721 LIBRARY AND INFORMATION SCIENCE BUILDING
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-5216

N.C.E.S. CODES
11.010000
11.040000
11.990000
S.I.C. CODES
99
KEYWORDS
LIBRARY SCIENCE
INFORMATION SCIENCE
NETWORK TOPOLOGY
PERSONNEL
1 RESEARCH PROFESSIONALS
9 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: NATIONAL INSTITUTE OF HEALTH; FOUNDATIONS; NASA; NATIONAL SCIENCE FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES: NATIONAL INSTITUTE OF HEALTH; FOUNDATIONS; NASA; NATIONAL SCIENCE FOUNDATION

FACILITIES: DEC VAX LL/780, DEC 11/44 GRAPHICS TERMINAL, ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: N/A

COLLECTIONS: LIBRARY AND INFORMATION SCIENCE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PRODUCT REPORTS

1091
UNIVERSITY OF PITTSBURGH
DR. JEROME L. ROSENBERG, DIRECTOR
FACULTY OF ARTS AND SCIENCES - HUMANITIES DIVISION
809 CATHEDRAL OF LEARNING
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-6090

N.C.E.S. CODES
18.010300
50.090100
30.040100
S.I.C. CODES
99
KEYWORDS
HUMANITIES
SPEECH PATHOLOGY AND AUDIOLOGY
ARTS
PERSONNEL
127 RESEARCH PROFESSIONALS

5 SUPPORT PROFESSIONALS
141 TECHNICAL STAFF
16 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $116906.00
SOURCES: NATIONAL EDUCATION AND HEALTH; NATIONAL EDUCATION ASSOCIATION; CORPORATIONS; NATIONAL SCIENCE FOUNDATION; NATIONAL INSTITUTE OF HEALTH
PAST FUNDING
AVERAGE AMOUNT = $229027.00
SOURCES: NATIONAL EDUCATION AND HEALTH; NATIONAL EDUCATION ASSOCIATION; FOUNDATIONS; CORPORATIONS; NATIONAL SCIENCE FOUNDATION; NATIONAL INSTITUTE OF HEALTH

FACILITIES: ELECTRONIC MUSIC STUDIO; LANGUAGE ACQUISITION INSTITUTE; ENGLISH LANGUAGE INSTITUTE; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: MUSIC BUILDING; STUDIO THEATRE

COLLECTIONS: FRICK FINE ARTS LIBRARY; EAST ASIAN LIBRARY; DARLINGTON LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: BOOK PUBLICATIONS; ARTICLES IN PROFESSIONAL JOURNALS; SHORT STORIES, POETRY, NOVEL; PAINTINGS AND SCULPTURE; MUSICAL COMPOSITIONS; AND THEATRICAL PRODUCTIONS

1092
UNIVERSITY OF PITTSBURGH
DR. JEROME L. ROSENBERG, DIRECTOR
FACULTY OF ARTS AND SCIENCES - NATURAL SCIENCE DIVISION
809 CATHEDRAL OF LEARNING
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-6090

N.C.E.S. CODES
40.050100
26.010100
40.080100
S.I.C. CODES
99
KEYWORDS
CHEMISTRY
PHYSICS
BIOLOGICAL SCIENCES
PERSONNEL
290 RESEARCH PROFESSIONALS
60 SUPPORT PROFESSIONALS
298 TECHNICAL STAFF
56 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $11116533.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; NATIONAL INSTITUTE OF EDUCATION; DEPARTMENT OF ENERGY; U.S. AIR FORCE; U.S. ARMY; COMMONWEALTH OF PENNSYLVANIA; NASA; U.S. NAVY; NATIONAL INSTITUTE OF HEALTH; NATIONAL SCIENCE FOUNDATION; CORPORATIONS AND FOUNDATIONS; U.S. GOVERNMENT
PAST FUNDING
AVERAGE AMOUNT = $10364486.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; NATIONAL INSTITUTE OF EDUCATION; DEPARTMENT OF ENERGY; U.S. AIR FORCE; U.S. ARMY; COMMONWEALTH OF PENNSYLVANIA; NASA; U.S. NAVY; NATIONAL INSTITUTE OF HEALTH; NATIONAL SCIENCE FOUNDATION; CORPORATIONS AND FOUNDATIONS; U.S. GOVERNMENT

FACILITIES: EXTENSIVE BIOLOGICAL SCIENCES, PHYSICS, CHEMISTRY, AND CRYSTALLOGRAPHY FACILITIES

BUILDINGS: ENGINEERING HALL; MINERAL INDUSTRIES BUILDING; SCHENLEY HALL; ALLEN HALL; CLAPP HALL; LANGLEY HALL; CRAWFORD, THACKERY, ALUMNI HALL AND PYMATUNING LABORATORY

COLLECTIONS: CHEMISTRY LIBRARY; BIOLOGICAL SCIENCES LIBRARY; PHYSICS LIBRARY; AND GEOLOGY AND PLANETARY SCIENCE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: BOOK PUBLICATIONS AND ARTICLES IN PROFESSIONAL JOURNALS

1093
UNIVERSITY OF PITTSBURGH
DR. JEROME L. ROSENBERG, DIRECTOR
FACULTY OF ARTS AND SCIENCES - SOCIAL SCIENCE DIVISION
809 CATHEDRAL OF LEARNING
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-6090

N.C.E.S. CODES
45.060100
45.110100
45.100100
S.I.C. CODES
99
KEYWORDS
SOCIAL SCIENCE
ARCHAEOLOGY
ECONOMICS
PERSONNEL
71 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
71 TECHNICAL STAFF

12 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $399621.00
SOURCES: NATIONAL INSTITUTE OF HEALTH; NATIONAL INSTITUTE OF EDUCATION; COMMONWEALTH OF PENNSYLVANIA; U.S. GOVERNMENT; CORPORATIONS AND FOUNDATIONS; DEPARTMENT OF JUSTICE; NATIONAL SCIENCE FOUNDATION; ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; U.S. ARMY; DEPARTMENT OF INTERIOR; NATIONAL EDUCATION AND HEALTH
PAST FUNDING
AVERAGE AMOUNT = $408688.00
SOURCES: CITY OF PITTSBURGH; NATIONAL INSTITUTE OF HEALTH; NATIONAL INSTITUTE OF EDUCATION; COMMONWEALTH OF PENNSYLVANIA; STATE DEPARTMENT; U.S. GOVERNMENT; CORPORATIONS AND FOUNDATIONS; DEPARTMENT OF JUSTICE; NATIONAL SCIENCE FOUNDATION; ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; U.S. ARMY; DEPARTMENT OF INTERIOR; NATIONAL EDUCATION AND HEALTH

FACILITIES: SOCIAL SCIENCE COMPUTER RESEARCH INSTITUTE; UNIVERSITY CENTER OF SOCIAL AND URBAN RESEARCH; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS BETWEEN THE DEPARTMENT OF ANTHROPOLOGY AND CARNEGIE MUSEUM OF NATURAL HISTORY

OUTPUTS: BOOK PUBLICATIONS AND ARTICLES IN PROFESSIONAL JOURNALS

1094
UNIVERSITY OF PITTSBURGH
DR. H. JEROME ZOFFER, DIRECTOR
GRADUATE SCHOOL OF BUSINESS
1901 CATHEDRAL OF LEARNING
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-6410

N.C.E.S. CODES
6.040100
S.I.C. CODES
99
KEYWORDS
BUSINESS ADMINISTRATION
FINANCE
OPERATIONS RESEARCH
PERSONNEL
58 RESEARCH PROFESSIONALS
25 SUPPORT PROFESSIONALS
39 TECHNICAL STAFF
33 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $665992.00
SOURCES: U.S. GOVERNMENT; FOUNDATIONS; HEALTH RESOURCES ADMINISTRATION; NATIONAL INSTITUTE OF HEALTH, ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; OFFICE OF EDUCATION; COMMONWEALTH OF PENNSYLVANIA; OFFICE OF HOUSING AND DEVELOPMENT
PAST FUNDING
AVERAGE AMOUNT = $743291.00
SOURCES: U.S. GOVERNMENT; FOUNDATIONS; HEALTH RESOURCES ADMINISTRATION; NATIONAL INSTITUTE OF HEALTH, ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; OFFICE OF EDUCATION; COMMONWEALTH OF PENNSYLVANIA; OFFICE OF HOUSING AND DEVELOPMENT

FACILITIES: STRATEGIC MANAGEMENT INSTITUTE, COMPUTER LABORATORY FACILITIES; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: N/A

COLLECTIONS: GRADUATE SCHOOL OF BUSINESS LIBRARY WITH 35000 VOLUMES, PLUS JOURNALS, SERIAL SERVICES, AND MICRO-FORM RESOURCES

COOPERATIVE ARRANGEMENTS: 150 LARGE, MEDIUM AND SMALL FIRMS IN THE WESTERN PENNSYLVANIA REGION THROUGH THE UNIVERSITY OF PITTSBURGH

OUTPUTS: PROFESSIONAL PUBLICATIONS; A 1000 FAMILY CONSUMER PANEL COVERING A 5-COUNTY PITTSBURGH SMSA; A WEEKLY DEPARTMENT STORE SURVEY OF THE PERFORMANCE OF PRINCIPAL PITTSBURGH AREA DEPARTMENT STORES

1095
UNIVERSITY OF PITTSBURGH
DR. RAYMOND SELTSER, DIRECTOR
GRADUATE SCHOOL OF PUBLIC HEALTH
111 PARRAN HALL
PITTSBURGH, PA 15261
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-3000

N.C.E.S. CODES
18.060100
18.070100
18.020300
S.I.C. CODES
99
KEYWORDS
PUBLIC HEALTH
MICROBIOLOGY

EPIDEMIOLOGY
PERSONNEL
77 RESEARCH PROFESSIONALS
81 SUPPORT PROFESSIONALS
29 TECHNICAL STAFF
51 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4559693.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; DEPARTMENT OF INTERIOR; U.S. GOVERNMENT; ENVIRONMENTAL PROTECTION AGENCY; NATIONAL INSTITUTE OF HEALTH; CORPORATIONS AND FOUNDATIONS; DEPARTMENT OF ENERGY; CENTER FOR DISEASE CONTROL; FEDERAL DRUG ADMINISTRATION; HEALTH RESOURCES ADMINISTRATION; HEALTH SERVICES ADMINISTRATION; COMMONWEALTH OF PENNSYLVANIA; U.S. ARMY; DEPARTMENT OF COMMERCE; HOUSING AND URBAN DEVELOPMENT
PAST FUNDING
AVERAGE AMOUNT = $4535723.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; DEPARTMENT OF INTERIOR; U.S. GOVERNMENT; ENVIRONMENTAL PROTECTION AGENCY; NATIONAL INSTITUTE OF HEALTH; CORPORATIONS AND FOUNDATIONS; DEPARTMENT OF ENERGY; CENTER FOR DISEASE CONTROL; FEDERAL DRUG ADMINISTRATION; HEALTH RESOURCES ADMINISTRATION; HEALTH SERVICES ADMINISTRATION; COMMONWEALTH OF PENNSYLVANIA; U.S. ARMY; DEPARTMENT OF COMMERCE; HOUSING AND URBAN DEVELOPMENT

FACILITIES: LABORATORIES AND EQUIPMENT FOR INHALATION TOXICOLOGY AND STUDIES OF DNA POLYMORPHISMS; LOW LEVEL RADIATION MEASUREMENT FACILITIES INCLUDING WHOLE BODY RADIATION COUNTING SYSTEM; BIOMEDICAL IMAGE PROCESSING COMPUTER FACILITY; MICROCOMPUTERS AND ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: PARRAN HALL, CRABTREE HALL

COLLECTIONS: MAINTAINS CIOCCO LIBRARY OF APPROXIMATELY 55000 VOLUMES AND 250 CURRENT JOURNAL SUBSCRIPTIONS; SPECIAL COLLECTIONS INCLUDE HISTORY OF PUBLIC HEALTH, NATIONAL INSTITUTE OF OCCUPATIONAL HEALTH PUBLICATIONS, AND ACCESS TO OVER 200 COMPUTERIZED DATA BASES

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH NUMEROUS UNITS OF THE UNIVERSITY, HEALTH DEPARTMENTS, AREA UNIVERSITIES, FOUNDATIONS, COMMUNITY ORGANIZATIONS, AND INDUSTRIES

OUTPUTS: A PATENT FOR A RADIOGRAPHIC SILT SCANNER FOR MAMMOGRAPHY; MARKETING OF A COMPUTER SOFTWARE PROGRAM; MEDICAL SERVICES; SEVERAL BOOK PUBLICATIONS; NUMEROUS MONOGRAPHS AND ARTICLES IN PROFESSIONAL JOURNALS

1096
UNIVERSITY OF PITTSBURGH
DR. ROBERT GLASER, DIRECTOR
LEARNING RESEARCH AND DEVELOPMENT CENTER
833 LEARNING RESEARCH AND DEVELOPMENT CENTER
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-4895

N.C.E.S. CODES
42.030000
42.070000
S.I.C. CODES
99
KEYWORDS
LEARNING
EDUCATION
PSYCHOLOGY
PERSONNEL
20 RESEARCH PROFESSIONALS
45 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
18 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3164600.00
SOURCES: CORPORATIONS AND FOUNDATIONS; U.S. NAVY; NATIONAL INSTITUTE OF EDUCATION; NATIONAL INSTITUTE OF HEALTH; NATIONAL SCIENCE FOUNDATION; OFFICE OF EDUCATION; COMMONWEALTH OF PENNSYLVANIA; U.S. GOVERNMENT
PAST FUNDING
AVERAGE AMOUNT = $3916716.00
SOURCES: CORPORATIONS AND FOUNDATIONS; U.S. NAVY; NATIONAL INSTITUTE OF EDUCATION; NATIONAL INSTITUTE OF HEALTH; NATIONAL SCIENCE FOUNDATION; OFFICE OF EDUCATION; COMMONWEALTH OF PENNSYLVANIA; U.S. GOVERNMENT

FACILITIES: FACILITIES FOR AUDIO-VISUAL AND MATERIALS PRODUCTION; EXPERIMENTAL LABORATORIES AND DEMONSTRATION CLASSROOMS; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: LEARNING RESEARCH AND DEVELOPMENT CENTER

COLLECTIONS: LRDC LIBRARY CONTAINING 2500 VOLUMES, 150 JOURNALS, SPECIALIZED MATERIAL IN EDUCATION AND PSYCHOLOGY, LRDC PUBLICATION SERIES

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: BOOK PUBLICATIONS, ARTICLES IN PROFESSIONAL JOURNALS, CONFERENCES

1097
UNIVERSITY OF PITTSBURGH
DR. PAUL A. MCWILLIAMS, DIRECTOR

NASA INDUSTRIAL APPLICATIONS CENTER
309 LEOFFLER BUILDING
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-2802

N.C.E.S. CODES
11.040000
11.010000
11.990000
S.I.C. CODES
737
KEYWORDS
COMPUTER SEARCH SERVICES
INFORMATION UTILIZATION
KNOWLEDGE AVAILABILITY
PERSONNEL
0 RESEARCH PROFESSIONALS
9 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $336945.00
SOURCES: DEPARTMENT OF ENERGY; NASA; U.S. GOVERNMENT
PAST FUNDING
AVERAGE AMOUNT = $361043.00
SOURCES: DEPARTMENT OF ENERGY; NASA; U.S. GOVERNMENT

FACILITIES: DEC-10 AND DEC-11 CUSTOMIZED SOFTWARE SYSTEMS AND ASSOCIATED PERIPHERALS; NASA-RECON COMPUTER NETWORK; DATA BASE MANAGEMENT SOFTWARE

BUILDINGS: N/A

COLLECTIONS: MAINTAINS ARIS-ACID RAIN INFORMATION SYSTEM; NASA GOVERNMENT DOCUMENT FILES; PITTSBURGH HIGH-TECH COMPANY FILE; 6000 NIAC RESEARCH REPORTS FILES; TECHNOLOGY LICENSE FILE

COOPERATIVE ARRANGEMENTS: INTERNATIONAL PLAYTEX; GENERAL FOODS; FMC CORPORATION; GOODYEAR TIRE AND RUBBER COMPANY; REFRACTORIES INSTITUTE; EDISON ELECTRIC INSTITUTE; COLLEGE AND UNIVERSITY PERSONNEL ASSOCIATION; INTERNATIONAL FOUNDATION FOR APPLIED CRITICAL THOUGHT; GOULD INC.; LOCHEED DIALOG

OUTPUTS: SOCIONETS - TELESURVEY, SURVEY RESEARCH MARKETS, TECHNOLOGIES AND INDUSTRIES, ELECTRONIC PUBLISHING , CHEMICAL HAZARD AND TOXICITY PROFILES

1098
UNIVERSITY OF PITTSBURGH
DR. EDWARD J. FORREST, DIRECTOR
SCHOOL OF DENTAL MEDICINE
C-333 SALK HALL
PITTSBURGH, PA 15261
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-3160

N.C.E.S. CODES
18.040100
17.010000
18.049900
S.I.C. CODES
807
802
KEYWORDS
DENTAL MEDICINE
PHARMACOLOGY
DIAGNOSTIC SERVICES
PERSONNEL
95 RESEARCH PROFESSIONALS
26 SUPPORT PROFESSIONALS
33 TECHNICAL STAFF
53 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $653025.00
SOURCES: HEALTH RESOURCES ADMINISTRATION; NATIONAL INSTITUTE OF HEALTH; OFFICE OF EDUCATION; CORPORATE AND FOUNDATION FUNDING; ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; NATIONAL SCIENCE FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $472837.00
SOURCES: HEALTH RESOURCES ADMINISTRATION; NATIONAL INSTITUTE OF HEALTH; OFFICE OF EDUCATION; CORPORATE AND FOUNDATION FUNDING; ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; NATIONAL SCIENCE FOUNDATION

FACILITIES: CLEFT PALATE CENTER, ELECTRON MICROSCOPE, FETUS COLLECTION, GERM-FREE FACILITIES, ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: N/A

COLLECTIONS: FALK LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH PUBLICATIONS IN PROFESSIONAL JOURNALS; PATENT ON USE OF LINOLENYL ALCOHOL AS AN ANTIBIOTIC; PATIENT CARE

1099
UNIVERSITY OF PITTSBURGH
DR. JAMES KELLY, DIRECTOR
SCHOOL OF EDUCATION
5T01 FORBES QUADRANGLE
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-6152

N.C.E.S. CODES
13.060300
13.109900
13.120500
S.I.C. CODES
99
KEYWORDS
EDUCATION
INSTITUTIONAL PLANNING
EVALUATION
PERSONNEL
175 RESEARCH PROFESSIONALS
30 SUPPORT PROFESSIONALS
120 TECHNICAL STAFF
60 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $398823.00
SOURCES: OFFICE OF EDUCATION; FOUNDATIONS; ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; COMMONWEALTH OF PENNSYLVANIA
PAST FUNDING
AVERAGE AMOUNT = $510402.00
SOURCES: OFFICE OF EDUCATION; FOUNDATIONS; ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; COMMONWEALTH OF PENNSYLVANIA

FACILITIES: ACADEMIC ATTAINMENT CENTER; PSYCHO EDUCATION CLINIC, VERSA BRAILLE; VIDEO TAPING; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099; MINI COMPUTERS; HUMAN ENERGY RESEARCH LABORATORY; TREADMILL; BICYCLE; ERGOMETERS; OXYGEN ANALYZERS; HYDROSTATIC WEIGHING TANK; CYBEX II MUSCLE TESTING EQUIPMENT; METABOLIC EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: IDEP CLEARINGHOUSE; DESEGREGATION CENTER LIBRARY; INSTITUTE OF HIGHER EDUCATION LIBRARY

COOPERATIVE ARRANGEMENTS: NUMEROUS PUBLIC SCHOOLS; GOVERNMENTAL AGENCIES; FOUNDATIONS AND PRIVATE AGENCIES

OUTPUTS: ARTICLES IN PROFESSIONAL JOURNALS; EVALUATION OF PITTSBURGH PUBLIC SCHOOL SYSTEM; SERVICES TO 87 SCHOOL DISTRICTS; SERVICES TO LOCAL COLLEGES; NUMEROUS REPORTS

1100
UNIVERSITY OF PITTSBURGH
DR. MAX L. WILLIAMS, DIRECTOR
SCHOOL OF ENGINEERING
240 BENEDUM HALL
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-5250

N.C.E.S. CODES
14.010000
14.990000
S.I.C. CODES
99
KEYWORDS
ENGINEERING
CIVIL ENGINEERING
ENERGY RESOURCES
PERSONNEL
109 RESEARCH PROFESSIONALS
16 SUPPORT PROFESSIONALS
66 TECHNICAL STAFF
27 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3682566.00
SOURCES: CITY OF PITTSBURGH; DEPARTMENT OF INTERIOR; NATIONAL INSTITUTE OF HEALTH; COMMONWEALTH OF PENNSYLVANIA; DEPARTMENT OF COMMERCE; DEPARTMENT OF ENERGY; U.S. AIR FORCE; NATIONAL SCIENCE FOUNDATION; NASA; FOUNDATIONS AND CORPORATIONS; U.S. ARMY; ENVIRONMENTAL PROTECTION AGENCY; HEALTH RESOURCES ADMINISTRATION; U.S. GOVERNMENT; CENTER FOR DISEASE CONTROL; U.S. NAVY
PAST FUNDING
AVERAGE AMOUNT = $4184832.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; CITY OF PITTSBURGH; DEPARTMENT OF INTERIOR; NATIONAL INSTITUTE OF HEALTH; COMMONWEALTH OF PENNSYLVANIA; DEPARTMENT OF COMMERCE; DEPARTMENT OF ENERGY; U.S. AIR FORCE; NATIONAL SCIENCE FOUNDATION; NASA; FOUNDATIONS AND CORPORATIONS; U.S. ARMY; ENVIRONMENTAL PROTECTION AGENCY; HEALTH RESOURCES ADMINISTRATION; U.S. GOVERNMENT; CENTER FOR DISEASE CONTROL; U.S. NAVY

FACILITIES: FULLY EQUIPPED LABORATORIES FOR CHEMICAL AND PETROLEUM ENGINEERING, CIVIL ENGINEERING, INDUSTRIAL ENGINEERING, ELECTRICAL ENGINEERING; MANAGEMENT AND OPERATIONS RESEARCH LABORATORIES; METALLURGICAL ENGINEERING AND MATERIALS ENGINEERING, AND MECHANICAL ENGINEERING; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: BENEDUM HALL

COLLECTIONS: MAINTAINS AN ENGINEERING LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: BOOK PUBLICATIONS AND ARTICLES IN PROFESSIONAL JOURNALS

1101
UNIVERSITY OF PITTSBURGH
DR. ROBERT HICKEY, DIRECTOR

SCHOOL OF HEALTH RELATED PROFESSIONS
106 PENNSYLVANIA HALL
PITTSBURGH, PA 15261
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-2900

N.C.E.S. CODES
  17.081300
  18.070000
  20.020100
S.I.C. CODES
  99
KEYWORDS
  ALLIED HEALTH PROFESSIONS
  MEDICAL TECHNOLOGY
  CHILD DEVELOPMENT
PERSONNEL
  30 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  12 TECHNICAL STAFF
  10 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $207219.00
  SOURCES: NATIONAL INSTITUTE OF HEALTH;
    FOUNDATIONS
PAST FUNDING
  AVERAGE AMOUNT = $118023.00
  SOURCES: NATIONAL INSTITUTE OF HEALTH;
    FOUNDATIONS

FACILITIES: ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: QUANTITATIVE COMPUTERIZED RECORDING METHOD; ARTICLES IN PROFESSIONAL JOURNALS; BOOK PUBLICATIONS; PRESENTATIONS AT NATIONAL MEETINGS; TELEVISION SHOW PARTICIPATION

1102
UNIVERSITY OF PITTSBURGH
DR. THOMAS J. GALVIN, DIRECTOR
SCHOOL OF LIBRARY AND INFORMATION SCIENCE
506 LIBRARY AND INFORMATION SCIENCE BUILDING
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-5230

N.C.E.S. CODES
  11.040100
  25.040100
S.I.C. CODES
  99
KEYWORDS
  LIBRARY SCIENCE
  INFORMATION SCIENCE
PERSONNEL
  26 RESEARCH PROFESSIONALS
  1 SUPPORT PROFESSIONALS
  12 TECHNICAL STAFF
  12 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1200.00
  SOURCES: OFFICE OF EDUCATION; U.S. NAVY
PAST FUNDING
  AVERAGE AMOUNT = $38150.00
  SOURCES: OFFICE OF EDUCATION; NATIONAL
    SCIENCE FOUNDATION; U.S. NAVY

FACILITIES: INFORMATION DISPLAY LABORATORY; ON-LINE INFORMATION SERVICES TRAINING LABORATORY; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: LIBRARY AND INFORMATION SCIENCE BUILDING

COLLECTIONS: SCHOOL OF LIBRARY AND INFORMATION SCIENCE LIBRARY; INTERNATIONAL LIBRARY INFORMATION CENTER; HISTORICAL COLLECTION OF CHILDRENS' LITERATURE

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH WEST VIRGINIA UNIVERSITY; CORPORATE INDUSTRIAL LIAISON PROGRAM

OUTPUTS: LIBRARY COMPUTER NETWORK PLANNING AND EVALUATION MODEL; WEBNET LIBRARY RESOURCE SHARING NETWORK; NATIONAL CONFERENCES ON LIBRARY AND INFORMATION TECHNOLOGY; REPORTS AND ARTICLES ON LIBRARY AND INFORMATION SCIENCE

1103
UNIVERSITY OF PITTSBURGH
DR. DONALD F. LEON, DIRECTOR
SCHOOL OF MEDICINE
M-245 SCAIFE HALL
PITTSBURGH, PA 15261
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-2478

N.C.E.S. CODES
  18.100100
  18.109900
  18.101800
S.I.C. CODES
  806
KEYWORDS
  MEDICINE
  ONCOLOGY
  TRANSPLANTS
PERSONNEL
  694 RESEARCH PROFESSIONALS
  182 SUPPORT PROFESSIONALS

76 TECHNICAL STAFF
142 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $12898899.00
SOURCES: U.S. ARMY; ENVIRONMENTAL PROTECTION AGENCY; COMMONWEALTH OF PENNSYLVANIA; HEALTH RESOURCES ADMINISTRATION; NASA; NATIONAL INSTITUTE OF HEALTH; FOUNDATIONS AND CORPORATIONS; NATIONAL SCIENCE FOUNDATION; ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION
PAST FUNDING
AVERAGE AMOUNT = $11337740.00
SOURCES: FEDERAL DRUG ADMINISTRATION; COMMONWEALTH OF PENNSYLVANIA; NASA; NATIONAL INSTITUTE OF HEALTH; NATIONAL SCIENCE FOUNDATION; FOUNDATIONS AND CORPORATIONS; ENVIRONMENTAL PROTECTION AGENCY; ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION

FACILITIES: MULTIPLE TOPIC BIOLOGICAL LABORATORIES; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: N/A

COLLECTIONS: FALK LIBRARY OF HEALTH PROFESSIONS; PSYCHIATRIC REFERENCE LIBRARY AND CLINIC

COOPERATIVE ARRANGEMENTS: FORMAL RESEARCH RELATIONS EXIST WITH OTHER MEDICAL UNIVERSITIES IN THE U.S. AND ABROAD

OUTPUTS: OVER 4000 RESEARCH REPORTS IN MEDICAL SCIENTIFIC JOURNALS; SEVERAL BOOK PUBLICATIONS; PATENTS FOR IMAGING INSTRUMENTS; SCIENTIFIC CONSULTATION TO OTHER UNIVERSITIES AND FEDERAL HEALTH RESEARCH UNITS

1104
UNIVERSITY OF PITTSBURGH
DR. ENID GOLDBERG, DIRECTOR
SCHOOL OF NURSING
350 VICTORIA BUILDING
PITTSBURGH, PA 15261
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-2400

N.C.E.S. CODES
18.110100
18.110300
18.119900
S.I.C. CODES
99
KEYWORDS
NURSING
WOMEN STUDIES
GERONTOLOGY
PERSONNEL
95 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
23 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $44042.00
SOURCES: NATIONAL INSTITUTE OF HEALTH
PAST FUNDING
AVERAGE AMOUNT = $106296.00
SOURCES: NATIONAL INSTITUTE OF HEALTH

FACILITIES: MINICOMPUTER WITH DISCDRIVES, EDITING CAPACITY, HARD COPY AND GRAPHICS; ELECTRONIC MONITORING EQUIPMENT; 3 TERMINALS WITH DEC-10 INTERFACE, CRT AND PRINTOUT; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: VICTORIA BUILDING

COLLECTIONS: UTILIZES LEARNING RESOURCE CENTER, FALK LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH VARIOUS HEALTH CARE FACILITIES FOR STUDENT CLINICAL EXPERIENCE

OUTPUTS: ARTICLES IN PROFESSIONAL JOURNALS; SELF STUDIES; REPORTS TO THE STATE BOARD OF NURSE EXAMINERS

1105
UNIVERSITY OF PITTSBURGH
DR. LEWIS W. DITTERT, DIRECTOR
SCHOOL OF PHARMACY
1103 SALK HALL
PITTSBURGH, PA 15261
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-3272

N.C.E.S. CODES
18.140100
S.I.C. CODES
283
KEYWORDS
PHARMACEUTICS
MEDICINAL CHEMISTRY
PHARMACOLOGY
PERSONNEL
38 RESEARCH PROFESSIONALS
10 SUPPORT PROFESSIONALS
29 TECHNICAL STAFF
9 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $353341.00
SOURCES: NATIONAL INSTITUTE OF HEALTH; CORPORATIONS AND FOUNDATIONS; ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION
PAST FUNDING
AVERAGE AMOUNT = $319533.00

SOURCES: HEALTH SERVICES ADMINISTRATION;
NATIONAL INSTITUTE OF HEALTH;
CORPORATIONS AND FOUNDATIONS; ALCOHOL
AND DRUG ABUSE MENTAL HEALTH ASSOCIATION

FACILITIES: COMPUTERIZED GAS CHROMATOGRAPHY MASS SPECTROMETRY; HIGH RESOLUTION MULTINUCLEAR MAGNETIC RESONANCE SPECTROMETRY; HIGH RESOLUTION IR AND UR SPECTROPHOTOMETRY; HPLC AND GC ANALYSIS; X-DEFRACTOMETRY; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: N/A

COLLECTIONS: FALK LIBRARY

COOPERATIVE ARRANGEMENTS: GULF; UNION CARBIDE; KOPPERS; AND U.S. STEEL

OUTPUTS: SYNTHESIS AND EVALUATION OF ANTISICKLING AGENTS; ANTIMICROBIAL ACTIVITY OF CHLORENE DIOXIDE; DRUG ANALYSIS SERVICE; ARTICLES IN PROFESSIONAL JOURNALS

1106
UNIVERSITY OF PITTSBURGH
DR. DAVID E. EPPERSON, DIRECTOR
SCHOOL OF SOCIAL WORK
2201 CATHEDRAL OF LEARNING
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-6300

N.C.E.S. CODES
44.070100
S.I.C. CODES
99
KEYWORDS
SOCIAL WORK
EVALUATION RESEARCH
SOCIAL NETWORKS
PERSONNEL
37 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
9 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $6081.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH
ASSOCIATION; COMMONWEALTH OF
PENNSYLVANIA
PAST FUNDING
AVERAGE AMOUNT = $68727.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH
ASSOCIATION; COMMONWEALTH OF
PENNSYLVANIA

BUILDINGS: N/A

COLLECTIONS: MAINTAINS THE BUHL COLLECTION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: FINAL REPORTS FOR VARIOUS GRANTS; AUDIO-VISUAL PRODUCTIONS; ARTICLES IN PROFESSIONAL JOURNALS

1107
UNIVERSITY OF PITTSBURGH
DR. FREDERICK KAUFMAN, DIRECTOR
SPACE RESEARCH AND COORDINATION CENTER
SPACE RESEARCH AND COORDINATION CENTER
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-5088

N.C.E.S. CODES
40.030000
40.040000
40.080100
S.I.C. CODES
99
KEYWORDS
ATMOSPHERIC PHYSICS
ATMOSPHERIC CHEMISTRY
PLANETARY SCIENCE
CURRENT FUNDING
AVERAGE AMOUNT = $90000.00
SOURCES: NASA; FOUNDATIONS
PAST FUNDING
AVERAGE AMOUNT = $90000.00
SOURCES: NASA; FOUNDATIONS

FACILITIES: SOUNDING ROCKET INSTRUMENTATION; CRYOGENIC MAGNETOMETER; X-RAY DIFFRACTOMETERS; SPECTROMETERS; LASERS; DETECTORS; FLOW AND DRIFT TUBES; INTERFEROMETERS; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: SPACE RESEARCH AND COORDINATION CENTER BUILDING

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ARTICLES IN PROFESSIONAL JOURNALS

1108
UNIVERSITY OF PITTSBURGH
DR. BURKART HOLZNER, DIRECTOR
UNIVERSITY CENTER FOR INTERNATIONAL STUDIES
4G40 FORBES QUADRANGLE
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-1776

N.C.E.S. CODES
45.090100
S.I.C. CODES
99
KEYWORDS
INTERNATIONAL STUDIES
ARMS CONTROL
PERSONNEL
9 RESEARCH PROFESSIONALS
9 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
8 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $245234.00
SOURCES: NATIONAL EDUCATION AND HEALTH; NATIONAL INSTITUTE OF HEALTH; NATIONAL SCIENCE FOUNDATION; OFFICE OF EDUCATION; COMMONWEALTH OF PENNSYLVANIA; U.S. GOVERNMENT; FOUNDATIONS
PAST FUNDING
AVERAGE AMOUNT = $209595.00
SOURCES: STATE DEPARTMENT; NATIONAL EDUCATION AND HEALTH; NATIONAL INSTITUTE OF HEALTH; NATIONAL SCIENCE FOUNDATION; OFFICE OF EDUCATION; COMMONWEALTH OF PENNSYLVANIA; U.S. GOVERNMENT; FOUNDATIONS

FACILITIES: ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: N/A

COLLECTIONS: LATIN AMERICAN LIBRARY COLLECTION; HUMAN RELATIONS AREA FILES; RUSSIAN AND EAST EUROPEAN COLLECTION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: BOOK PUBLICATIONS AND ARTICLES IN PROFESSIONAL JOURNALS

1109
UNIVERSITY OF PITTSBURGH
DR. VIJAI P. SINGH, DIRECTOR
UNIVERSITY CENTER FOR SOCIAL AND URBAN RESEARCH
4A25 FORBES QUADRANGLE
PITTSBURGH, PA 15260
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-5442

N.C.E.S. CODES
6.040100
44.050000
22.010000
S.I.C. CODES
99
KEYWORDS
DEMOGRAPHICS
SOCIAL RESEARCH
RISK ANALYSIS
PERSONNEL
1 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $239154.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; NATIONAL INSTITUTE OF EDUCATION; U.S. GOVERNMENT; FOUNDATIONS
PAST FUNDING
AVERAGE AMOUNT = $244119.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; NATIONAL INSTITUTE OF EDUCATION; U.S. GOVERNMENT; FOUNDATIONS

FACILITIES: COMPUTERIZED AREA PROBABILITY SAMPLE FRAMES; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099, ELECTRONIC DATA PROCESSING UNIT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ARTICLES IN PROFESSIONAL JOURNALS; REPORTS INSTRUMENTAL IN POLICY MAKING; COMPUTERIZED AREA PROBABILITY SAMPLE FRAMES FOR ALLEGHENY COUNTY AND THE PITTSBURGH SMSA

1110
UNIVERSITY OF PITTSBURGH
DR. THOMAS P. DETRE, DIRECTOR
WESTERN PSYCHIATRIC INSTITUTE AND CLINIC
211 WESTERN PSYCHIATRIC INSTITUTE AND CLINIC
PITTSBURGH, PA 15261
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-624-2396

N.C.E.S. CODES
18.102300
18.100100
S.I.C. CODES
806
801
KEYWORDS
PSYCHIATRY
MEDICINE
PHARMACOLOGY
PERSONNEL
5 RESEARCH PROFESSIONALS
411 SUPPORT PROFESSIONALS
20 TECHNICAL STAFF
155 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $4227657.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; OFFICE OF EDUCATION;

NATIONAL INSTITUTE OF HEALTH; DEPARTMENT OF JUSTICE; U.S. GOVERNMENT; FOUNDATIONS AND CORPORATIONS; NATIONAL SCIENCE FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $3159136.00
SOURCES: ALCOHOL AND DRUG ABUSE MENTAL HEALTH ASSOCIATION; NATIONAL INSTITUTE OF HEALTH; FOUNDATIONS AND CORPORATIONS; NATIONAL SCIENCE FOUNDATION

FACILITIES: FULLY EQUIPPED PSYCHIATRIC HOSPITAL WITH EXTENSIVE RESEARCH LABORATORIES; ACCESS TO TWIN TRI-PROCESSOR DEC SYSTEM 1099

BUILDINGS: WESTERN PSYCHIATRIC INSTITUTE AND CLINIC

COLLECTIONS: WESTERN PSYCHIATRIC LIBRARY

COOPERATIVE ARRANGEMENTS: CORPORATE SERVICES PROGRAM

OUTPUTS: ARTICLES IN PROFESSIONAL JOURNALS; BOOK PUBLICATIONS; SCIENTIFIC REPORTS; RADIO AND TELEVISION PRESENTATIONS; COMMUNITY PROGRAMS; PROFESSIONAL WORKSHOPS; PATIENT SERVICES AND CONFERENCE PRESENTATIONS

1111
URBAN PARTNERS
MR. JOHN ANDREW GALLERY, DIRECTOR
URBAN PARTNERS
302 ARCH
PHILADELPHIA, PA 19106
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-627-6702

N.C.E.S. CODES
0
S.I.C. CODES
739
899
KEYWORDS
ECONOMIC DEVELOPMENT
HOUSING TECHNICAL ASSISTANCE
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $200000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1112
URBAN RESEARCH AND DEVELOPMENT CORPORATION
MR. MARTIN C. GILCHRIST, DIRECTOR
URBAN RESEARCH AND DEVELOPMENT CORPORATION
528 NORTH NEW STREET
BETHLEHEM, PA 18018
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-865-0701

N.C.E.S. CODES
4.010000
44.010000
45.050000
S.I.C. CODES
891
899
953
KEYWORDS
COMMUNITY PROGRAMS
PHYSICAL DEVELOPMENT PLANS
ECONOMIC DEVELOPMENT RESEARCH
PERSONNEL
12 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $450000.00

FACILITIES: COMPUTER

BUILDINGS: N/A

COLLECTIONS: PRIVATE CORPORATE LIBRARY OF OVER 10000 VOLUMES

COOPERATIVE ARRANGEMENTS: LEHIGH UNIVERSITY

OUTPUTS: N/A

1113
US AIR, INC.
MR. ROBERT E. DUNN, DIRECTOR
US AIR, INC.
NATIONAL AIRPORT
WASHINGTON, DC 20001
COUNTY
DEVELOPMENT REGION
PHONE: 703-892-7302

N.C.E.S. CODES
8.110000
S.I.C. CODES
451
KEYWORDS
AIR TRAFFIC STATISTICS

AIR TRANSPORTATION RESEARCH
PERSONNEL
3 RESEARCH PROFESSIONALS
6 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
4 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1114
VAL PRODUCTS, INC.
C. GEHR, DIRECTOR
VAL PRODUCTS, INC.
P.O. BOX 958
LANCASTER, PA 17603
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-392-3978

N.C.E.S. CODES
1.020500
2.020900
S.I.C. CODES
25
345
349
KEYWORDS
VAL-CUP
WATERING BABY CHICKS
MACHINE IMPROVEMENTS
PERSONNEL
1 RESEARCH PROFESSIONALS
7 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $50000.00

FACILITIES: 50 TO 75 MACHINE TOOLS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1115
VALLEY FORGE LABORATORIES
ROBERT J. COLLINS, DIRECTOR
VALLEY FORGE LABORATORIES
6 BERKELEY ROAD
DEVON, PA 19333
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-688-8517

N.C.E.S. CODES
14.180000
S.I.C. CODES
891
KEYWORDS
WASTE MATERIAL USE
WASTE DISPOSAL
PERSONNEL
3 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

FACILITIES: COMPRESSION MACHINE; CURING ROOM; FREEZING CABINETS AND SUPPORTING FACILITIES FOR PHYSICAL TESTING OF CONSTRUCTION MATERIALS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A FAIRLY COMPREHENSIVE COLLECTION OF TECHNICAL REPORTS AND PAPERS, ASTM AND AASHTO PUBLICATIONS

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH NUMEROUS CONSULTANTS

OUTPUTS: N/A

1116
VESUVIUS CRUCIBLE CO.
MARK K. FISHLER, DIRECTOR
VESUVIUS RESEARCH CENTER
4604 CAMPBELLS RUN ROAD
PITTSBURGH, PA 15205
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-923-1141

N.C.E.S. CODES
14.060000
14.180000
S.I.C. CODES
329
331
332
KEYWORDS
RESEARCH AND DEVELOPMENT
REFRACTORY APPLICATION
MOLTEN METALS
PERSONNEL
7 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
3 SUPPORT STAFF

CURRENT FUNDING
AVERAGE AMOUNT = $1000000.00

FACILITIES: SCAN-ELECTRON-MICROSCOPE, HIGH TEMP GAS FURNANCES, MACHINE SHOP, RUBBER BAG MAKING FOR LARGE PRESSES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: SCHOLARSHIP PROGRAM

OUTPUTS: N/A

1117
VIBRATION SPECIALTY CORPORATION
E.J. SCHRAMM, DIRECTOR
VIBRATION SPECIALTY CORPORATION
100 GEIGER ROAD
PHILADELPHIA, PA 19115
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-698-08000

N.C.E.S. CODES
14.190000
S.I.C. CODES
891
KEYWORDS
VIBRATION ANALYSIS
SOUND
INDUSTRIAL EQUIPMENT SERVICES
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $60000.00

FACILITIES: ELECTRONIC DEVICES, SHAKERS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1118
VICTAULIC COMPANY OF AMERICA
M.J. WEBB, DIRECTOR
RESEARCH AND DEVELOPMENT
BOX 31
EASTON, PA 18042
NORTHAMPTON COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-252-6400

N.C.E.S. CODES
14.190000
14.130000
40.070100
S.I.C. CODES
344
306
332
KEYWORDS
PRODUCT DEVELOPMENT
PERSONNEL
4 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
1 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1119
VICTOR F. WEAVER, INC.
BRUCE D. LARGE, DIRECTOR
PRODUCT RESEARCH AND DEVELOPMENT
403 SOUTH CUSTER AVENUE
NEW HOLLAND, PA 17557
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-354-4211

N.C.E.S. CODES
0
S.I.C. CODES
25
201
KEYWORDS
PRODUCT DEVELOPMENT
POULTRY
EGGS
PERSONNEL
0 RESEARCH PROFESSIONALS
5 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $125000.00

FACILITIES: KITCHEN AND PILOT PLANT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1120
VIKING ENERGY CORPORATION
DR. JACK SALUJA, DIRECTOR
VIKING ENERGY CORPORATION
121 NORTH HIGHLAND AVENUE, SUITE 203
PITTSBURGH, PA 15206
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-363-7777

N.C.E.S. CODES
14.230000
40.080600
30.030000
S.I.C. CODES
899
KEYWORDS
RENEWABLE ENERGY APPLICATIONS
NUCLEAR ENERGY
GENERAL ENGINEERING
PERSONNEL
4 RESEARCH PROFESSIONALS
12 SUPPORT PROFESSIONALS
10 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

BUILDINGS: N/A

COLLECTIONS: TECHNICAL LIBRARY RELATING TO ALL TYPES OF ENERGY SOURCES - NUCLEAR, SOLAR, BIOMASS, BIOGAS, WIND, AND COAL

COOPERATIVE ARRANGEMENTS: WITH CONSAD RESEARCH, ROBOTICS INSTITUTE AT CMU, UNIVERSITY OF PITTSBURGH

OUTPUTS: N/A

1121
VILLA MARIA COLLEGE
SISTER RAYMOND MARIE BOHRER, DIRECTOR
ST. THOMAS INSTITUTE CONSORTIUM
2551 WEST LAKE ROAD
ERIE, PA 16505
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-838-1966

N.C.E.S. CODES
18.029900
18.020200
S.I.C. CODES
809
KEYWORDS
FOOD SUPPLEMENTATION
TUMOR WEIGHT
BODY WEIGHT
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $305.00
SOURCES: BENEFICIARY
PAST FUNDING
AVERAGE AMOUNT = $10000.00
SOURCES: EAGLES' AUXILIARY

FACILITIES: RESEARCH LABORATORY AND ANIMAL HOUSE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ROSWELL PARK MEMORIAL INSTITUTE LABS

OUTPUTS: ABSTRACT ON ZINC ACCEPTED FOR PUBLICATION AT THE AMERICAN ASSOCIATION CANCER RESEARCH MEETING HELD IN ST. LOUIS IN 1982

1122
VILLANOVA UNIVERSITY
DR. ROBERT L. GROB, DIRECTOR
ANALYTICAL CHEMISTRY RESEARCH LABORATORY
DEPARTMENT OF CHEMISTRY
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4869

N.C.E.S. CODES
2.050200
11.030000
40.050200
S.I.C. CODES
951
862
KEYWORDS
GC
LC
HEADSPACE
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $34000.00
SOURCES: VILLANOVA UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $27690.00
SOURCES: VILLANOVA UNIVERSITY

FACILITIES: TWELVE GAS CHROMATOGRAPHS, THREE

LIQUID CHROMATOGRAPHS, ONE IR, TWO UV, AND ONE VISIBLE SPECTROPHOTOMETER

BUILDINGS: N/A

COLLECTIONS: PERSONAL LIBRARY (800-900 VOLUMES)

COOPERATIVE ARRANGEMENTS: WITH SEVERAL INDUSTRIAL LABS

OUTPUTS: OVER 60 RESEARCH PUBLICATIONS AND REPORTS; ONE PATENT

1123
VILLANOVA UNIVERSITY
DR. P.N. KELIHER, DIRECTOR
ANALYTICAL SPECTROSCOPY RESEARCH
DEPARTMENT OF CHEMISTRY
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4871

N.C.E.S. CODES
  40.050200
S.I.C. CODES
  381
KEYWORDS
  PLASMA EMISSION
  ATOMIC ABSORPTION
  TRACE ANALYSIS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  4 TECHNICAL STAFF
  6 SUPPORT STAFF
PAST FUNDING
  AVERAGE AMOUNT = $5000.00
  SOURCES: VILLANOVA UNIVERSITY

FACILITIES: 2 LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: INDUSTRIAL LOAN OF EQUIPMENT, SPECTROMETRICS,INC. (SUBSIDIARY OF BECKMAN) VALUE OF EQUIPMENT CA. 15000

OUTPUTS: OVER 25 RECENT RESEARCH PUBLICATIONS AND REPORTS

1124
VILLANOVA UNIVERSITY
DR. JOHN R. EDWARDS, DIRECTOR
BIOCHEMISTRY LABORATORY
DEPARTMENT OF CHEMISTRY
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4840

N.C.E.S. CODES
  26.020000
  40.050400
  26.050000
S.I.C. CODES
  289
  283
KEYWORDS
  STREPTOCOCCUS MUTANS
  DEXTRAN
  GLUCOSYLTRANSFERASE
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  3 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $4000.00
  SOURCES: VILLANOVA UNIVERSITY
PAST FUNDING
  AVERAGE AMOUNT = $4000.00
  SOURCES: VILLANOVA UNIVERSITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 10 RESEARCH REPORTS AND PUBLICATIONS

1125
VILLANOVA UNIVERSITY
DR. A.J. ORKWISZEWSKI, DIRECTOR
BIOLOGY RESEARCH LABORATORIES
BIOLOGY DEPARTMENT
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4830

N.C.E.S. CODES
  26.030000
  26.060500
  26.049900
S.I.C. CODES
  892
KEYWORDS
  BOTANY
  PARASITOLOGY
  IMMUNOLOGY
PERSONNEL
  12 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  12 TECHNICAL STAFF
  4 SUPPORT STAFF

CURRENT FUNDING
AVERAGE AMOUNT = $949000.00
SOURCES: VILLANOVA UNIVERSITY, WHITEHALL FOUNDATION, GRASS FOUNDATION, NATIONAL SCIENCE FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $606000.00
SOURCES: VILLANOVA UNIVERSITY, GRASS FOUNDATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: PROFESSIONAL PAPERS; GRANT PROPOSALS

1126
VILLANOVA UNIVERSITY
DR. S.S. RAO, DIRECTOR
CAUSE/CAD PROJECT ENGINEERING LABORATORIES
DEPARTMENT OF ENGINEERING
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-7308

N.C.E.S. CODES
14.080000
14.100000
14.190000
S.I.C. CODES
48
28
15
KEYWORDS
COMPUTER AIDED ENGINEERING SOFTWARE
PROGRAMS
GRAPHICS
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
15 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $97730.00
SOURCES: NATIONAL SCIENCE FOUNDATION; VILLANOVA UNIVERSITY; INDUSTRY SOURCES
PAST FUNDING
AVERAGE AMOUNT = $232173.00
SOURCES: NATIONAL SCIENCE FOUNDATION; VILLANOVA UNIVERSITY; INDUSTRY SOURCES

FACILITIES: 10 GRAPHICS TERMINALS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: ANNUAL REPORTS AND SOFTWARE MANUALS

1127
VILLANOVA UNIVERSITY
DR. J. WOJCIK, DIRECTOR
DEPARTMENT OF CHEMISTRY
DEPARTMENT OF CHEMISTRY
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4881

N.C.E.S. CODES
40.050600
S.I.C. CODES
892
KEYWORDS
EQUILIBRIA
CYCLODEXTRINES
KINETICS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3000.00
SOURCES: VILLANOVA UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $3000.00
SOURCES: VILLANOVA UNIVERSITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1128
VILLANOVA UNIVERSITY
DR. AMOS J. LEFFLER, DIRECTOR
DEPARTMENT OF CHEMISTRY
DEPARTMENT OF CHEMISTRY
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4872

N.C.E.S. CODES
40.050300
40.050600
S.I.C. CODES
99
KEYWORDS
NMR
19F NMR
11B NMR

PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  2 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $2000.00
  SOURCES: VILLANOVA UNIVERSITY
PAST FUNDING
  AVERAGE AMOUNT = $5000.00
  SOURCES: VILLANOVA UNIVERSITY

FACILITIES: NMR FOR SOLID STATE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH REPORTS AND PAPERS

1129
VILLANOVA UNIVERSITY
DR. INGEBORG L. WARD, DIRECTOR
EFFECTS OF PREPUBERAL STRESS ON ADULT SEXUAL BEHAVIOR
PSYCHOLOGY DEPARTMENT
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4743

N.C.E.S. CODES
  42.000000
  26.060500
  42.080000
S.I.C. CODES
  99
KEYWORDS
  TESTOSTERONE
  PRENATAL STRESS
  SEXUAL BEHAVIOR
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $85392.00
  SOURCES: NATIONAL INSTITUTES OF HEALTH;
    NATIONAL INSTITUTE OF MENTAL HEALTH
PAST FUNDING
  AVERAGE AMOUNT = $86186.00
  SOURCES: NATIONAL INSTITUTES OF HEALTH;
    NATIONAL INSTITUTE OF MENTAL HEALTH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: COLLABORATE WITH DR. JUDITH WEISZ OF THE HERSHEY MEDICAL CENTER

OUTPUTS: RESEARCH PUBLICATIONS

1130
VILLANOVA UNIVERSITY
DR. ALAIN J. PHARES, DIRECTOR
LABORATORY FOR MATHEMATICAL METHODS IN SCIENCE AND ENGINEERING
DEPARTMENT OF PHYSICS
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4861

N.C.E.S. CODES
  14.120000
  27.030000
  40.000000
S.I.C. CODES
  381
  899
KEYWORDS
  MATH METHODS
  PHYSICS
  APPLIED MATH
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  1 TECHNICAL STAFF
  1 SUPPORT STAFF

FACILITIES: COMPUTER FACILITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: 14 RECENT RESEARCH REPORTS AND PUBLICATIONS

1131
VILLANOVA UNIVERSITY
DR.JOHN N. MAJERUS, DIRECTOR
MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4993

N.C.E.S. CODES
  11.020000
  14.130000
  14.110000

S.I.C. CODES
348
379
138
KEYWORDS
BALLISTICS
EXPLOSIVES
MATERIALS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $11000.00
SOURCES: DAVID W. TAYLOR NAVAL SHIP R&D CENTER
PAST FUNDING
AVERAGE AMOUNT = $24000.00
SOURCES: DAVID W. TAYLOR NAVAL SHIP R&D CENTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 70 RESEARCH REPORTS AND PUBLICATIONS; THREE PATENTS PENDING; ONE U.S. PATENT

1132
VILLANOVA UNIVERSITY
DR. PHILIP V. MCLAUGHLIN, DIRECTOR
MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4991

N.C.E.S. CODES
14.190000
14.110000
14.020000
S.I.C. CODES
892
KEYWORDS
FIBER COMPOSITE MATERIALS AND STRUCTURES
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $30000.00
SOURCES: NAVAL AIR ENGINEERING
PAST FUNDING
AVERAGE AMOUNT = $20000.00
SOURCES: NAVAL AIR ENGINEERING, LAWRENCE LIVERMORE NATIONAL LABORATORY

FACILITIES: STRESS ANALYSIS AND HEAT TRANSFER LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 50 RESEARCH PAPERS AND PUBLICATIONS

1133
VILLANOVA UNIVERSITY
DR. JOSEPH GOLDBERG, DIRECTOR
MECHANICAL ENGINEERING
MECHANICAL ENGINEERING DEPARTMENT
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4994

N.C.E.S. CODES
14.020000
11.020000
11.050000
S.I.C. CODES
451
372
382
KEYWORDS
GUST RESPONSE
COMMERCIAL JETS
AUTOPILOT EFFECTS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
PAST FUNDING
AVERAGE AMOUNT = $15000.00
SOURCES: NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS

1134
VILLANOVA UNIVERSITY
DR. EDWARD MCASSEY, DIRECTOR
MECHANICAL ENGINEERING LABORATORIES
DEPARTMENT OF MECHANICAL ENGINEERING
VILLANOVA, PA 19085

DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4980

N.C.E.S. CODES
14.180000
14.190000
S.I.C. CODES
99
KEYWORDS
CAD
HEAT TRANSFER
NON-DESTRUCTIVE TESTING
PERSONNEL
10 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $280000.00
SOURCES: NAVAL AIR ENGINEERING CENTER,
NATIONAL SCIENCE FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $280000.00
SOURCES: NATIONAL SCIENCE FOUNDATION

FACILITIES: COMPUTER EQUIPMENT, THERMOVISION CAMERA

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH PUBLICATIONS AND REPORTS

1135
VILLANOVA UNIVERSITY
DR. THOMAS C. TOPPINO, DIRECTOR
MEMORY AND COGNITION
DEPARTMENT OF PSYCHOLOGY
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4720

N.C.E.S. CODES
42.030000
42.080000
42.070000
S.I.C. CODES
99
KEYWORDS
MEMORY
REPETITION
CONCEPT IDENTIFICATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
3 SUPPORT STAFF
PAST FUNDING
AVERAGE AMOUNT = $4000.00
SOURCES: VILLANOVA UNIVERSITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 10 RECENT RESEARCH PUBLICATIONS

1136
VILLANOVA UNIVERSITY
DR. EDWARD M. SION, DIRECTOR
NASA SUPPORTED RESEARCH USING THE IUE SATELLITE
ASTRONOMY DEPARTMENT
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4822

N.C.E.S. CODES
40.020000
40.030000
S.I.C. CODES
99
KEYWORDS
WHITE DWARF STARS
NOVAL
CATACLYSMIC VARIABLES
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $25400.00
SOURCES: NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
PAST FUNDING
AVERAGE AMOUNT = $25300.00
SOURCES: NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

FACILITIES: COMPUTER EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 40 RESEARCH PUBLICATIONS

1137
VILLANOVA UNIVERSITY
DR. J. HERMAN SCHAUBLE, DIRECTOR

ORGANIC CHEMISTRY RESEARCH LABORATORY
CHEMISTRY DEPARTMENT
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4840

N.C.E.S. CODES
  40.050400
S.I.C. CODES
  289
KEYWORDS
  ORGANIC CHEMISTRY
  HETEROCYCLIC
  REACTION MECHANISMS
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  6 TECHNICAL STAFF
  5 SUPPORT STAFF

FACILITIES: SPECTROSCOPY LAB, OPTICAL AND MAGNETIC RESONANCE SPECTROMETERS, CLC, HPLC CHROMATOGRAPHS

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: SEVERAL RESEARCH PAPERS AND REPORTS

1138
VILLANOVA UNIVERSITY
DR. ROMAN MAKSYMOWYCH, DIRECTOR
PLANT GROWTH AND DEVELOPMENT LABORATORY
DEPARTMENT OF BIOLOGY
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4847

N.C.E.S. CODES
  2.040100
S.I.C. CODES
  99
KEYWORDS
  LEAF DEVELOPMENT
  BOTANY
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  0 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $5000.00

FACILITIES: LIQUID SCINTILLATION EQUIPMENT; CYTOLOGICAL WORK EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 25 RESEARCH REPORTS AND PAPERS

1139
VILLANOVA UNIVERSITY
DR. GERALD M. LONG, DIRECTOR
PSYCHOLOGY LABORATORIES
DEPARTMENT OF PSYCHOLOGY
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4745

N.C.E.S. CODES
  42.080000
S.I.C. CODES
  99
KEYWORDS
  PERSISTENCE
  AFTERIMAGES
  PERCEPTION
PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
PAST FUNDING
  AVERAGE AMOUNT = $22414.00
  SOURCES: NATIONAL INSTITUTE OF MENTAL HEALTH; NATIONAL SCIENCE FOUNDATION

FACILITIES: ELECTRONIC TACHISTOSCOPE

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 25 RESEARCH PAPERS AND REPORTS

1140
VILLANOVA UNIVERSITY
DR. PAMELA BLEWITT, DIRECTOR
PSYCHOLOGY LABORATORIES
DEPARTMENT OF PSYCHOLOGY
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4744

N.C.E.S. CODES
  42.030000
  42.070000

42.120000
S.I.C. CODES
99
KEYWORDS
WORD LEARNING
PRESCHOOL CHILDREN
LANGUAGE DEVELOPMENT
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $10000.00
SOURCES: NATIONAL INSTITUTE OF MENTAL HEALTH

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PAPERS

1141
VILLANOVA UNIVERSITY
DR. JOSE R. DE LA VEGA, DIRECTOR
RESEARCH IN CHEMICAL PHYSICS
DEPARTMENT OF CHEMISTRY
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4879

N.C.E.S. CODES
40.050600
S.I.C. CODES
99
KEYWORDS
CHEMICAL PHYSICS
QUANTUM CHEMISTRY
THEORETICAL CHEMISTRY
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF
PAST FUNDING
AVERAGE AMOUNT = $5000.00
SOURCES: VILLANOVA UNIVERSITY

FACILITIES: 4341 IBM COMPUTER WITH INTERACTIVE TERMINALS, PERKIN AND ELMER C.W. NMR. 90 MHZ

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 10 RESEARCH PUBLICATIONS AND REPORTS

1142
VILLANOVA UNIVERSITY
DR. VITO L. PUNZI, DIRECTOR
REVERSE OSMOSIS RESEARCH
DEPARTMENT OF CHEMICAL ENGINEERING
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4946

N.C.E.S. CODES
14.070000
S.I.C. CODES
281
381
494
KEYWORDS
REVERSE OSMOSIS
MEMBRANE PROCESSES
DESALINATION
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $16000.00
SOURCES: ENGINEERING FOUNDATION
PAST FUNDING
AVERAGE AMOUNT = $8670.00
SOURCES: VILLANOVA UNIVERSITY

FACILITIES: RO MODULES AND SAMPLING/ANALYSIS EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH PUBLICATION

1143
VILLANOVA UNIVERSITY
DR. ROBERT WELCH, DIRECTOR
SMALL BUSINESS DEVELOPMENT CENTER
SMALL BUSINESS DEVELOPMENT CENTER
VILLANOVA, PA 19085
DELAWARE COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-645-4319

N.C.E.S. CODES
6.180000

6.990000
7.010000
S.I.C. CODES
739
KEYWORDS
SMALL BUSINESS
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1800.00
SOURCES: STUDENT ACTIVITIES, SMALL BUSINESS ADMINISTRATION
PAST FUNDING
AVERAGE AMOUNT = $1800.00
SOURCES: STUDENT ACTIVITIES, SMALL BUSINESS ADMINISTRATION

BUILDINGS: N/A

COLLECTIONS: SMALL COLLECTION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: REPORTS TO THE U.S. SMALL BUSINESS ADMINISTRATION

1144
VULCAN ENGINEERING COMPANY
WILLIAM L. WINKLE, DIRECTOR
DEVELOPMENT DEPARTMENT
206 42ND STREET
PITTSBURGH, PA 15201
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-681-9622

N.C.E.S. CODES
14.010000
14.270000
40.070100
S.I.C. CODES
353
354
356
KEYWORDS
EQUIPMENT DESIGN
PROCESS DEVELOPMENT
PERSONNEL
4 RESEARCH PROFESSIONALS
8 SUPPORT PROFESSIONALS
12 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $60000[illegible].00

FACILITIES: TYPICAL ENGINEERING FACILITIES

BUILDINGS: THREE BUILDINGS

COLLECTIONS: FULL ENGINEERING LIBRARY

COOPERATIVE ARRANGEMENTS: LICENSE ARRANGEMENTS WITH COMPANIES IN SWEDEN, TURKEY, HOLLAND

OUTPUTS: N/A

1145
W.B. COLEMAN COMPANY
DR. BRUMBAUGH, DIRECTOR
W.B. COLEMAN COMPANY
9TH STREET AND RISING SUN AVENUE
PHILADELPHIA, PA 19140
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-223-7751

N.C.E.S. CODES
40.050200
40.070100
S.I.C. CODES
381
KEYWORDS
CHEMICAL ANALYSIS
MECHANICAL TESTING
METALLURGICAL
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
6 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1146
W.T. STOREY INC.
WILLIAM T. STOREY, DIRECTOR
W.T. STOREY INC.
HICKORY CORNERS ROADS
DALMATIA, PA 17017
NORTHUMBERLAND COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-758-9144

N.C.E.S. CODES
0
S.I.C. CODES
355
KEYWORDS
SOLAR
ENERGY
MACHINERY

PERSONNEL
  1 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $30000.00

FACILITIES: MACHINE SHOP AND TESTING FACILITIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1147
WALTER W. MOYER CO., INC.
N/A, DIRECTOR
WALTER W. MOYER CO., INC.
400 WEST MAIN STREET
EPHRATA, PA 17522
LANCASTER COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-733-2261

N.C.E.S. CODES
  8.080100
S.I.C. CODES
  225
  226
  229
KEYWORDS
  SAMPLE
  PRICE
  ADOPTION
PERSONNEL
  4 RESEARCH PROFESSIONALS
  3 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  4 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $250000.00

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1148
WARREN-KNIGHT INSTRUMENT CO.
ROBERT DIXON, DIRECTOR
DATA SYSTEMS GROUP
2045 BENNETT ROAD
PHILADELPHIA, PA 19116
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-464-9300

N.C.E.S. CODES
  14.100000
  14.190000
  14.260000
S.I.C. CODES
  355
  381
  382
KEYWORDS
  ANGLE MEASURING DEVELOPMENT
  CALIBRATING AND ALIGNMENT DEVELOPMENT
  TRACKING INSTRUMENT SYSTEMS
PERSONNEL
  2 RESEARCH PROFESSIONALS
  6 SUPPORT PROFESSIONALS
  2 TECHNICAL STAFF
  6 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $1000000.00

FACILITIES: DIVIDING EQUIPMENT; ELECTRONIC ASSEMBLE AND TEST EQUIPMENT; MACHINERY EQUIPMENT; LATHES; MILLING; AND FABRICATING

BUILDINGS: N/A

COLLECTIONS: DATA ON ELECTRONICS, AND ANGLE AND OPTICAL MEASURING

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1149
WASHINGTON TOOL AND MACHINE COMPANY
HOWARD A. PATTERSON, DIRECTOR
ENGINEERING DEPARTMENT
P.O. BOX 873
WASHINGTON, PA 15301
WASHINGTON COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-225-7470

N.C.E.S. CODES
  14.190000
  14.170000
  11.990000
S.I.C. CODES
  354
  339
  349
KEYWORDS
  INDUSTRIAL EQUIPMENT
  COMPUTER AIDED DESIGN
  MANUFACTURING PROCESSES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1150
WATER RESOURCES ASSOCIATION
BRUCE E. STEWART, DIRECTOR
WATER RESOURCES ASSOCIATION
P.O. BOX 867, DAVIS ROAD
VALLEY FORGE, PA 19481
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-783-0634

N.C.E.S. CODES
3.101000
3.020100
3.990000
S.I.C. CODES
861
862
864
KEYWORDS
WATER SUPPLY NEEDS
ECONOMIC IMPACTS OF DROUGHTS
WATER STORAGE, DISTRIBUTION
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
4 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

BUILDINGS: N/A

COLLECTIONS: TECHNICAL REFERENCE LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1151
WEBBER, MENG, SAHL & CO., INC.
DR. ROBERT J. SAHL, DIRECTOR
WMS MANAGEMENT CONSULTING
400 VALLEY FORGE PLAZA
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-265-8822

N.C.E.S. CODES
6.060000
6.150000
42.090000
S.I.C. CODES
899
739
944
KEYWORDS
TRAINING
EMPLOYEE DEVELOPMENT
HUMAN RESOURCE PROGRAMS
PERSONNEL
2 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00

BUILDINGS: N/A

COLLECTIONS: BUSINESS AND PSYCHOLOGICAL TEXTS COLLECTION

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1152
WELDING ENGINEERS, INC.
RUSSELL J. NICHOLS, DIRECTOR
RESEARCH & DEVELOPMENT LABORATORY
303 EAST CHURCH ROAD
KING OF PRUSSIA, PA 19406
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-272-6900

N.C.E.S. CODES
35.355900
S.I.C. CODES
99
KEYWORDS
MULTIPLE SCREW EXTRUDERS
CONTINUOUS PROCESSES
EXTRUSION PRINCIPLE
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: PILOT PLANT SCALE TWIN SCREW EXTRUSION PROCESS MACHINERY

BUILDINGS: N/A

COLLECTIONS: A LIBRARY OF APPROXIMATELY 450 VOLUMES

COOPERATIVE ARRANGEMENTS: M.I.T., UNIVERSITY OF PITTSBURGH, UNIVERSITY OF DELAWARE

OUTPUTS: N/A

1153
WERNER MANAGEMENT CONSULTANTS
MR. IAN R. BRUNET, DIRECTOR
RESEARCH SERVICES
111 WEST 40TH STREET
NEW YORK, NY 10018
COUNTY
DEVELOPMENT REGION
PHONE: 212-730-1280

N.C.E.S. CODES
0
S.I.C. CODES
739
220
KEYWORDS
TEXTILE
MANAGEMENT CONSULTING
MANUFACTURING CONSULTING
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

FACILITIES: UTILIZES AN INTERNATIONAL CONSULTANT NETWORK

BUILDINGS: N/A

COLLECTIONS: TECHNICAL RESEARCH REPORTS, TEXTILE STATISTICAL STUDIES, CORPORATE TEXTILE RESEARCH LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1154
WEST CHESTER CHEMICAL COMPANY
A.N. ROSA, DIRECTOR
WEST CHESTER CHEMICAL COMPANY
P.O. BOX 39
WEST CHESTER, PA 19380
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-696-9220

N.C.E.S. CODES
0
S.I.C. CODES
285
289
KEYWORDS
COATINGS
SEALANTS
ADHESIVES
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
2 SUPPORT STAFF

FACILITIES: WELL EQUIPPED LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1155
WESTERN ELECTRIC COMPANY
MR. M.W. SAGAL, DIRECTOR
ENGINEERS OF MANUFACTURING
555 UNION BOULEVARD
ALLENTOWN, PA 18103
LEHIGH COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-439-7211

N.C.E.S. CODES
14.100000
11.010000
S.I.C. CODES
367
KEYWORDS
HIGH TECHNOLOGY
INTEGRATED ELECTRONIC DEVICES
PERSONNEL
300 RESEARCH PROFESSIONALS
75 SUPPORT PROFESSIONALS
325 TECHNICAL STAFF
200 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1156
WESTINGHOUSE AIR BRAKE DIVISION, AM. STD. INC.
C.D. WRIGHT, DIRECTOR
ENGINEERING DEPARTMENT
N/A
WILMERDING, PA 15148
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-273-1402

401

N.C.E.S. CODES
14.190000
14.110000
14.100000
S.I.C. CODES
374
306
KEYWORDS
BRAKE SYSTEMS
COMPRESSORS
COUPLERS
PERSONNEL
75 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
56 TECHNICAL STAFF
17 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $7500000.00

FACILITIES: INERTIA DYNAMOMETERS; SIMULATORS - 250 FREIGHT CAR; M.T.

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1157
WESTINGHOUSE ELECTRIC CORPORATION
M.T. JOHNSON, DIRECTOR
ADVANCED ENERGY SYSTEMS DIVISION
P.O. BOX 10864
PITTSBURGH, PA 15236
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-892-5600

N.C.E.S. CODES
14.010000
30.030000
S.I.C. CODES
891
899
KEYWORDS
ELECTRICAL ENERGY CONVERSION
NUCLEAR WASTE MANAGEMENT
TESTING
PERSONNEL
283 RESEARCH PROFESSIONALS
86 SUPPORT PROFESSIONALS
181 TECHNICAL STAFF
115 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $43000000.00

FACILITIES: SEISMIC TEST LABORATORY; MANUFACTURING AND FABRICATION SHOP

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1158
WESTINGHOUSE ELECTRIC CORPORATION
HARRY R. SHEPPARD, DIRECTOR
MATERIALS AND MANUFACTURING TECHNOLOGY DEPARTMENT
469 SHARPSVILLE AVENUE
SHARON, PA 16146
MERCER COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 412-983-4335

N.C.E.S. CODES
0
S.I.C. CODES
361
381
KEYWORDS
MATERIALS
TRANSFORMERS
DEVELOPMENT
PERSONNEL
22 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
13 TECHNICAL STAFF
5 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $3000000.00

FACILITIES: FACILITIES FOR MAGNETIC MATERIALS MEASUREMENT AND PROCESSING, ELECTRIC INSULATION LIFE TESTING, AND HIGH VOLTAGE TESTING; GENERAL LABORATORIES INCLUDING FACILITIES FOR NOISE TESTING, CONSTANT TEMPERATURE/HUMIDITY PHYSICAL TESTING, AND ENVIRONMENTAL TESTING INCLUDING OUTDOOR SIMULATION

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SMALL PLANT LIBRARY

COOPERATIVE ARRANGEMENTS: BETWEEN CORPORATE DIVISIONS

OUTPUTS: N/A

1159
WESTINGHOUSE ELECTRIC CORPORATION
DR. GEORGE F. MECHLIN, DIRECTOR
RESEARCH & DEVELOPMENT CENTER
1310 BEULAH ROAD

PITTSBURGH, PA 15235
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-256-7772

N.C.E.S. CODES
  30.030000
  40.080000
  30.010000
S.I.C. CODES
  36
KEYWORDS
  ELECTRICAL
  EQUIPMENT
  ELECTRONICS
PERSONNEL
  700 RESEARCH PROFESSIONALS
  50 SUPPORT PROFESSIONALS
  500 TECHNICAL STAFF
  500 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $110000000.00

FACILITIES: LABS FOR CHEMICAL ENGINEERING, MECHANICAL RESEARCH, APPLIED SCIENCES, SOLID STATE SCIENCES, CHEMISTRY, ELECTRONICS AND MATERIALS

BUILDINGS: SEVEN BUILDINGS

COLLECTIONS: A LIBRARY OF 30000 BOOKS PLUS 550 CURRENT JOURNALS

COOPERATIVE ARRANGEMENTS: M.I.T. LIAISON PROGRAM, CMU-ROBOTICS, BATTELLE

OUTPUTS: N/A

1160
WESTMORELAND MECHANICAL TESTING AND RESEARCH, INCORPORATED
DONALD J. ROSSI, DIRECTOR
WESTMORELAND MECHANICAL TESTING AND RESEARCH, INCORPORATED
P.O. BOX 388
YOUNGSTOWN, PA 15696
WESTMORELAND COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-537-3131

N.C.E.S. CODES
  14.200000
  14.230000
  14.020000
S.I.C. CODES
  99
KEYWORDS
  MECHANICAL TESTING
PERSONNEL
  15 RESEARCH PROFESSIONALS
  11 SUPPORT PROFESSIONALS
  0 TECHNICAL STAFF
  5 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $750.00

FACILITIES: LABORATORY

BUILDINGS: MACHINE SHOP

COLLECTIONS: MAINTAINS A METALLURGICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1161
WHITAKER/ACRODYNE, INDUSTRIES, INC.
R. DOREIAM, DIRECTOR
ENGINEERING DEPARTMENT
516 TOWNSHIP LINE
BLUE BELL, PA 19422
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-542-7000

N.C.E.S. CODES
  14.100000
S.I.C. CODES
  366
KEYWORDS
  ELECTRONIC CIRCUITS
  TELEVISION TRANSMISSION SYSTEMS
PERSONNEL
  3 RESEARCH PROFESSIONALS
  0 SUPPORT PROFESSIONALS
  5 TECHNICAL STAFF
  1 SUPPORT STAFF
CURRENT FUNDING
  AVERAGE AMOUNT = $400000.00

FACILITIES: ELECTRONIC AND MECHANICAL ENGINEERING LABS

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A TECHNICAL LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1162
WHITECLOUD CORPORATION
MR. ROBERT R. WARD, DIRECTOR
WHITECLOUD TECHNOLOGIES PROJECT
BOX 723
FRAZER, PA 19355
CHESTER COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-692-7647

N.C.E.S. CODES
6.000000
S.I.C. CODES
361
367
386
KEYWORDS
INNOVATION
COMPATABILITY
EXPANDABLE
PERSONNEL
3 RESEARCH PROFESSIONALS
3 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: BUSINESS LIBRARY, ELECTRICAL LIBRARY, LAW AND ACCOUNTING LIBRARY

COOPERATIVE ARRANGEMENTS: CONSUMER ENERGY SAVERS

OUTPUTS: N/A

1163
WHITMOYER LABORATORIES, INC.
DR. ANTHONY R. BOTT, DIRECTOR
ANIMAL HEALTH RESEARCH LABORATORY
P.O. BOX 288
MYERSTOWN, PA 17067
LEBANON COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-866-2151

N.C.E.S. CODES
2.020300
18.000000
24.000000
S.I.C. CODES
283
284
KEYWORDS
VETERINARY PHARMACEUTICALS
DISINFECTANTS-SANITIZERS
NUTRITIONAL SUPPLEMENTS
PERSONNEL
2 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

FACILITIES: FORMULATION LABORATORY; MICROBIOLOGY LABORATORY; CLINICAL CHEMISTRY LABORATORY; PENS AND CAGES FOR LABORATORY ANIMALS, DOGS, CATS, LIVESTOCK AND POULTRY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: UTILIZE CONSULTANTS

OUTPUTS: N/A

1164
WIDENER UNIVERSITY
DR. LARRY D. BARNETT, DIRECTOR
CENTER FOR POPULATION POLICY AND LAW
P.O. BOX 7474
WILMINGTON, DE 19803
COUNTY
DEVELOPMENT REGION
PHONE: 302-478-3000

N.C.E.S. CODES
44.050000
45.050000
S.I.C. CODES
99
KEYWORDS
POPULATION POLICY
POPULATION LAW
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
0 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $2175.00
SOURCES: WIDENER UNIVERSITY
PAST FUNDING
AVERAGE AMOUNT = $2000.00
SOURCES: WIDENER UNIVERSITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: RESEARCH REPORTS AND PUBLICATIONS

1165
WILLS EYE HOSPITAL
DR. JAY L. FEDERMAN, DIRECTOR
RESEARCH DIVISION
9TH AND WALNUT STREETS
PHILADELPHIA, PA 19107
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-928-3272

N.C.E.S. CODES
18.101400
17.070000
26.000000

S.I.C. CODES
801
806
808
KEYWORDS
DIAGNOSIS
EYE DISEASE
DYSFUNCTION THERAPY
PERSONNEL
6 RESEARCH PROFESSIONALS
200 SUPPORT PROFESSIONALS
14 TECHNICAL STAFF
6 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $1300000.00

FACILITIES: BIOCHEMISTRY, MICROBIOLOGY, MOLECULAR BIOLOGY AND IMMUNOLOGY LABORATORIES

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1166
WISE FOODS CO., DIVISION OF BORDEN, INC.
EDWARD E. BRETCH, DIRECTOR
WISE FOODS CO. RESEARCH AND DEVELOPMENT
228 RASELEY STREET
BERWICK, PA 18603
COLUMBIA COUNTY
SUSQUEHANNA DEVELOPMENT REGION
PHONE: 717-759-4160

N.C.E.S. CODES
1.040200
40.050100
S.I.C. CODES
209
207
204
KEYWORDS
TRAVEL
TEST
TROUBLESHOOT
PERSONNEL
1 RESEARCH PROFESSIONALS
1 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $100000.00
SOURCES:

FACILITIES: GAS CHROMATOGRAPHY, SPECTROPHOTOMETRY (ALL UV-VISIBLE THROUGH INFRARED), TOTAL ORGANIC CARBON ANALYZER, WASTE WATER ANALYSIS EQUIPMENT

BUILDINGS: N/A

COLLECTIONS: SMALL LIBRARY; TRADE JOURNALS AND A COLLECTION ON ANALYTICAL CHEMISTRY

COOPERATIVE ARRANGEMENTS: POTATO RESEARCH WITH THE PENNSYLVANIA STATE UNIVERSITY

OUTPUTS: N/A

1167
WYETH LABORATORIES
DR. H.P.K. AGERSBORG, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
BOX 8299
PHILADELPHIA, PA 19101
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-688-4400

N.C.E.S. CODES
0
S.I.C. CODES
283
KEYWORDS
CHEMICAL SYNTHESIS
DRUG EVALUATION
INVESTIGATIONAL NEW DRUG PREPARATION
PERSONNEL
150 RESEARCH PROFESSIONALS
100 SUPPORT PROFESSIONALS
200 TECHNICAL STAFF
50 SUPPORT STAFF

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1168
XIENTA, INC.
N/A, DIRECTOR
XIENTA INSTITUTE FOR SKIN RESEARCH
BOX 98
BERNVILLE, PA 19506
BERKS COUNTY
LEHIGH VALLEY DEVELOPMENT REGION
PHONE: 215-488-7643

N.C.E.S. CODES
2.029900
14.050000
30.010100
S.I.C. CODES
75
381

899
KEYWORDS
BIOPHYSICAL RESEARCH
SKIN PHYSIOLOGY
DAIRY HYGIENE PRODUCTS
PERSONNEL
4 RESEARCH PROFESSIONALS
4 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $360000.00

FACILITIES: BIOCHEMICAL AND BIOPHYSICAL LABORATORIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A LIMITED LIBRARY

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH SEVERAL INDUSTRIES; AFFILIATED WITH TWO COLLEGES AND UNIVERSITIES

OUTPUTS: N/A

1169
YARWAY CORPORATION
HEINZ K. HETZ, DIRECTOR
PRODUCT DEVELOPMENT DEPARTMENT
N/A
BLUE BELL, PA 19422
MONTGOMERY COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-825-2100

N.C.E.S. CODES
14.170000
14.230000
S.I.C. CODES
349
381
KEYWORDS
ENGINEERING
ENERGY TECHNOLOGY
ENVIRONMENTAL TECHNOLOGY
PERSONNEL
10 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
8 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $950000.00

FACILITIES: RESEARCH LAB; STEAM TRAP DEMONSTRATION CENTER; MODEL SHOP; COMPUTER INTEGRATED MANUFACTURING SYSTEM

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1170
YORK COLLEGE OF PENNSYLVANIA
DR. R.J. CLARK, DIRECTOR
BIOLOGY DEPARTMENT
COUNTRY CLUB ROAD
YORK, PA 17405
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-846-7788

N.C.E.S. CODES
26.060300
2.020700
S.I.C. CODES
957
KEYWORDS
TAXONOMIC
FISH
MACROINVERTS
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
5 TECHNICAL STAFF
1 SUPPORT STAFF

FACILITIES: FOUR RESEARCH LABS, GENERAL STOCK AREA, BOTH BIOLOGICAL AND CHEMICAL COMPUTER FACILITIES PLUS ACCESS TO APPLE MICROCOMPUTERS, PROGRAMMABLE CALCULATORS

BUILDINGS: N/A

COLLECTIONS: YCP LIBRARY, PERSONAL LIBRARIES OF FACULTY, AN EXTENSIVE INTERLIBRARY LOAN SYSTEM AND COMPUTER BASED INFORMATION RETRIEVAL (DIALOG)

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: OVER 100 DOCUMENTS AVAILABLE

1171
YORK COLLEGE OF PENNSYLVANIA
DR. A.M. HARRISON, DIRECTOR
PHYSICAL SCIENCE DEPARTMENT
COUNTRY CLUB ROAD
YORK, PA 17405
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-846-7788 EXT 210

N.C.E.S. CODES
18.100900
18.000000
S.I.C. CODES
99

KEYWORDS
IMMUNE FUNCTIONS
ANALGESICS
PERSONNEL
2 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
0 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $400.00
PAST FUNDING
AVERAGE AMOUNT = $500.00

FACILITIES: NUCLEAR CHICAGO 724 SCINTILLATION COUNTER

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: NUMEROUS RESEARCH REPORTS AND PUBLICATIONS

1172
YORK DIVISION, BORG-WARNER CORPORATION
DR. KENNETH E. HICKMAN, DIRECTOR
ADVANCE ENGINEERING & RESEARCH
P.O. BOX 1592
YORK, PA 17405
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-771-7890

N.C.E.S. CODES
14.190000
14.100000
11.020000
S.I.C. CODES
358
362
KEYWORDS
HVAC EQUIPMENT
HVAC CONTROLS
ENGINEERED MACHINERY
PERSONNEL
100 RESEARCH PROFESSIONALS
115 SUPPORT PROFESSIONALS
50 TECHNICAL STAFF
10 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $15000000.00

FACILITIES: ACOUSTIC/VIBRATION TEST FACILITIES FOR LARGE ROTATING MACHINERY, CAD/CAM FACILITIES, ELECTRON MICROSCOPE, GAMMA RAY INSPECTION FACILITY FOR LARGE PRESSURE VESSELS

BUILDINGS: N/A

COLLECTIONS: ENGINEERING LIBRARY (MECHANICAL, HVAC, ELECTRONICS, GENERAL ENGINEERING)

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1173
YORK SHIPLEY, INC.
DR. JAKOB KORENBERG, DIRECTOR
YORK SHIPLEY, INC.
P.O. BOX 349
YORK, PA 17405
YORK COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-755-1081

N.C.E.S. CODES
0
S.I.C. CODES
343
356
344
KEYWORDS
COMBUSTION
SOLID FUELS
PERSONNEL
1 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

FACILITIES: FULLY EQUIPPED HOT AND COLD FLUID TEST LAB

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: INSTITUTE OF GAS TECHNOLOGY, GAS RESEARCH INSTITUTE, ALZETA CORP., LEHIGH UNIVERSITY, TEXAS A&M UNIVERSITY

OUTPUTS: N/A

1174
ZAPATA INDUSTRIES, INC.
HENRY J. DORN, DIRECTOR
RESEARCH AND DEVELOPMENT DEPARTMENT
P.O. BOX 2
FRACKVILLE, PA 17931
SCHUYLKILL COUNTY
NORTHEAST DEVELOPMENT REGION
PHONE: 717-874-122

N.C.E.S. CODES
2.030500

S.I.C. CODES
349
341
285
KEYWORDS
CROWNS AND CLOSURES
INKS AND COATINGS
SEALING GASKET RAW MATERIALS
PERSONNEL
4 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
7 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $800000.00

FACILITIES: INFRARED SPECTROPHOTOMETER, LIQUID CHROMATOGRAPH, ELECTRONIC PLASTIC CORDER (BRABENDER)

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1175
ZEDMARK, INC., REFRACTORIES
E.K. NORMAN, DIRECTOR
ZEDMARK, INC., REFRACTORIES
P.O. BOX 217
VALENCIA, PA 16059
BUTLER COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-898-1567

N.C.E.S. CODES
0
S.I.C. CODES
325
329
KEYWORDS
REFRACTORIES
PERSONNEL
3 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $250000.00

FACILITIES: COMPLETE LABORATORY AND TESTING FACILITY

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: ARRANGEMENTS WITH ENGLAND LICENSOR AND UNIVERSITY OF MANCHESTER - INSTITUTE OF SCIENCE AND TECHNOLOGY

OUTPUTS: N/A

1176
ZEIGLER BROS., INC.
DR. THOMAS R. ZEIGLER, DIRECTOR
RESEARCH AND DEVELOPMENT DIVISION
P.O. BOX 95
GARDNERS, PA 17324-0095
ADAMS COUNTY
CAPITOL DEVELOPMENT REGION
PHONE: 717-677-6181

N.C.E.S. CODES
1.049900
2.020400
2.020700
S.I.C. CODES
99
KEYWORDS
ANIMAL DIET PREPARATION
NUTRITION CONSULTING
AQUACULTURE CONSULTING
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
4 TECHNICAL STAFF
3 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $150000.00

FACILITIES: RESEARCH DIET PREPARATION, MIXING, GRINDING, AND PELLETING FACILITIES

BUILDINGS: N/A

COLLECTIONS: MAINTAINS A SMALL NUTRITION LIBRARY

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

1177
ZIVIC-MILLER LABORATORIES, INC.
W. J. ZIVIC, DIRECTOR
ZIVIC-MILLER RESEARCH & DEVELOPMENT CENTER
3848 HIEBER ROAD
ALLISON PARK, PA 15101
ALLEGHENY COUNTY
SOUTHWEST DEVELOPMENT REGION
PHONE: 412-487-6000

N.C.E.S. CODES
2.020200
2.029900
17.039900

S.I.C. CODES
75
892
KEYWORDS
BIO-INNOVATION
BIO-TECHNICAL PREPARATIONS
BIO-SERVICES AND PRODUCTS
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
3 TECHNICAL STAFF
2 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $30000.00

FACILITIES: FOUR LABORATORIES

BUILDINGS: ONE RESEARCH FACILITY

COLLECTIONS: RESEARCH LIBRARY AND DATA COLLECTION ROOM

COOPERATIVE ARRANGEMENTS: UNIVERSITY OF PITTSBURGH AND GANNON UNIVERSITY

OUTPUTS: N/A

1178
ZOOLOGICAL SOCIETY OF PHILADELPHIA
ROBERT L. SNYDER, DIRECTOR
PENROSE RESEARCH LABORATORY
34TH STREET AND GIRARD AVENUE
PHILDELPHIA, PA 19104
PHILADELPHIA COUNTY
DELAWARE VALLEY DEVELOPMENT REGION
PHONE: 215-243-1100 EXT. 305

N.C.E.S. CODES
26.070400
26.070100
26.060900
S.I.C. CODES
842
KEYWORDS
PATHOLOGY
ANIMAL NUTRITION
DISEASE
PERSONNEL
1 RESEARCH PROFESSIONALS
0 SUPPORT PROFESSIONALS
1 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $80000.00

FACILITIES: LABORATORIES, ANIMAL ROOMS

BUILDINGS: N/A

COLLECTIONS: COLLECTION OF OVER 26000 MICROSCOPIC SLIDES OF DISEASED TISSUES FROM EXOTIC ANIMALS

COOPERATIVE ARRANGEMENTS: AFFILIATED WITH THE UNIVERSITY OF PENNSYLVANIA; COOPERATIVE WORK WITH THE INSTITUTE FOR CANCER RESEARCH, FOX CHASE AND THOMAS JEFFERSON UNIVERSITY

OUTPUTS: N/A

1179
ZURN IDUSTRIES, INC. - FLUID HANDLING DIVISION
ROBERT J. NETKOWICZ, DIRECTOR
FLUID HANDLING DIVISION
901 WEST 12TH STREET
ERIE, PA 16501
ERIE COUNTY
NORTHWEST DEVELOPMENT REGION
PHONE: 814-455-0921

N.C.E.S. CODES
14.190000
14.110000
14.010000
S.I.C. CODES
356
KEYWORDS
STRAINERS
SELF-CLEANING
MANUAL
PERSONNEL
3 RESEARCH PROFESSIONALS
2 SUPPORT PROFESSIONALS
2 TECHNICAL STAFF
1 SUPPORT STAFF
CURRENT FUNDING
AVERAGE AMOUNT = $70000.00

FACILITIES: FLUID FLOW INVESTIGATION (WATER) PUMPING CAPACITY, 3500 GPM AT 20 PSI

BUILDINGS: N/A

COLLECTIONS: N/A

COOPERATIVE ARRANGEMENTS: N/A

OUTPUTS: N/A

GEOGRAPHICAL INDEX

REGION	COUNTY	SIC	RECORD ID
OUT OF STATE RESEARCH UNITS		152	1023
		344	
		953	
		208	104
		202	
		206	
		22	172
		28	
		21	
		282	430
		287	
		284	566
		299	62
		355	190
		362	
		357	197
		362	418
		381	
		737	
		367	137
		451	1113
		491	365
		492	193
		131	
		892	
		631	449
		632	
		637	
		739	592
		739	1153
		220	
		891	309
		899	
		737	
		892	863
		727	
		899	943
		99	63
		99	64
		99	135
		99	282
		99	490
		99	502
		99	657
		99	840
		99	864
		99	1164
CAPITOL	ADAMS	203	508
		208	
		209	
CAPITOL	ADAMS	99	674
CAPITOL	ADAMS	99	1176
CAPITOL	CUMBERLAND	17	906
CAPITOL	CUMBERLAND	329	903
CAPITOL	CUMBERLAND	356	473
		343	
CAPITOL	CUMBERLAND	367	267
CAPITOL	CUMBERLAND	367	673
CAPITOL	CUMBERLAND	367	829
CAPITOL	CUMBERLAND	632	701
CAPITOL	CUMBERLAND	841	908
CAPITOL	CUMBERLAND	99	907
CAPITOL	DAUPHIN	1	134
		911	
CAPITOL	DAUPHIN	12	910
		11	
CAPITOL	DAUPHIN	161	1014
		295	
CAPITOL	DAUPHIN	206	431
		204	
		202	
CAPITOL	DAUPHIN	272	927
		273	
		274	
CAPITOL	DAUPHIN	346	1053
		347	
		372	
CAPITOL	DAUPHIN	366	465
		357	
CAPITOL	DAUPHIN	632	146
CAPITOL	DAUPHIN	806	720
CAPITOL	DAUPHIN	861	70
		862	
		865	
CAPITOL	DAUPHIN	869	707
		892	
		919	
CAPITOL	DAUPHIN	899	854
		891	
CAPITOL	DAUPHIN	919	711
		93	
		839	
CAPITOL	DAUPHIN	943	705
CAPITOL	DAUPHIN	961	420
		655	
CAPITOL	DAUPHIN	961	712
CAPITOL	DAUPHIN	99	49
CAPITOL	DAUPHIN	99	293
CAPITOL	DAUPHIN	99	704
CAPITOL	DAUPHIN	99	706
CAPITOL	DAUPHIN	99	735
CAPITOL	DAUPHIN	99	738
CAPITOL	DAUPHIN	99	739
CAPITOL	DAUPHIN	99	740
CAPITOL	DAUPHIN	99	1050
CAPITOL	FRANKLIN	249	432
		344	
CAPITOL	FRANKLIN	354	180
CAPITOL	FRANKLIN	354	948
CAPITOL	LANCASTER	202	198
		203	
		209	
CAPITOL	LANCASTER	213	357
		212	
		214	
CAPITOL	LANCASTER	225	1147
		226	
		229	
CAPITOL	LANCASTER	229	369
		224	
CAPITOL	LANCASTER	25	700
		29	

REGION	COUNTY	SIC	RECORD ID
CAPITOL	LANCASTER	25	1114
		345	
		349	
CAPITOL	LANCASTER	25	1119
		201	
CAPITOL	LANCASTER	264	228
		282	
		304	
CAPITOL	LANCASTER	282	678
		285	
CAPITOL	LANCASTER	284	492
		289	
		323	
CAPITOL	LANCASTER	306	857
CAPITOL	LANCASTER	307	61
		266	
		227	
CAPITOL	LANCASTER	335	443
CAPITOL	LANCASTER	342	491
CAPITOL	LANCASTER	348	415
CAPITOL	LANCASTER	349	296
CAPITOL	LANCASTER	352	921
CAPITOL	LANCASTER	362	468
		381	
		489	
CAPITOL	LANCASTER	381	335
CAPITOL	LANCASTER	384	1042
CAPITOL	LANCASTER	602	414
CAPITOL	LANCASTER	801	389
		802	
		808	
CAPITOL	LANCASTER	99	330
CAPITOL	LANCASTER	99	331
CAPITOL	LANCASTER	99	332
CAPITOL	LANCASTER	99	333
CAPITOL	LANCASTER	99	334
CAPITOL	LANCASTER	99	336
CAPITOL	LANCASTER	99	518
CAPITOL	LANCASTER	99	519
CAPITOL	LANCASTER	99	660
CAPITOL	LANCASTER	99	898
CAPITOL	LEBANON	283	1163
		284	
CAPITOL	LEBANON	349	362
		359	
		891	
CAPITOL	YORK	281	505
		286	
CAPITOL	YORK	282	5
		286	
		289	
CAPITOL	YORK	282	659
CAPITOL	YORK	283	325
CAPITOL	YORK	326	1032
CAPITOL	YORK	329	1025
CAPITOL	YORK	343	1173
		356	
		344	
CAPITOL	YORK	349	25
CAPITOL	YORK	351	33
		355	

REGION	COUNTY	SIC	RECORD ID
		356	
CAPITOL	YORK	351	896
		358	
CAPITOL	YORK	355	216
		731	
CAPITOL	YORK	358	229
		343	
CAPITOL	YORK	358	1172
		362	
CAPITOL	YORK	899	447
		951	
CAPITOL	YORK	9	871
		84	
		899	
CAPITOL	YORK	944	18
		861	
		739	
CAPITOL	YORK	957	1170
CAPITOL	YORK	99	501
CAPITOL	YORK	99	1171
DELAWARE VALLEY	BUCKS	222	847
		225	
		224	
DELAWARE VALLEY	BUCKS	264	467
DELAWARE VALLEY	BUCKS	279	698
		285	
DELAWARE VALLEY	BUCKS	282	697
		306	
DELAWARE VALLEY	BUCKS	289	140
DELAWARE VALLEY	BUCKS	289	837
		282	
		286	
DELAWARE VALLEY	BUCKS	324	1040
		327	
DELAWARE VALLEY	BUCKS	343	2
DELAWARE VALLEY	BUCKS	349	523
DELAWARE VALLEY	BUCKS	355	661
		382	
DELAWARE VALLEY	BUCKS	355	904
		359	
DELAWARE VALLEY	BUCKS	361	107
DELAWARE VALLEY	BUCKS	362	7
DELAWARE VALLEY	BUCKS	366	78
DELAWARE VALLEY	BUCKS	367	59
		891	
DELAWARE VALLEY	BUCKS	381	377
		489	
DELAWARE VALLEY	BUCKS	362	318
DELAWARE VALLEY	BUCKS	382	1045
		381	
		386	
DELAWARE VALLEY	BUCKS	384	209
		383	
DELAWARE VALLEY	BUCKS	489	598
		272	
		274	
DELAWARE VALLEY	BUCKS	493	1056
DELAWARE VALLEY	BUCKS	621	78
		651	
		672	
DELAWARE VALLEY	BUCKS	806	597

REGION	COUNTY	SIC	RECORD ID
		805	
		809	
DELAWARE VALLEY	BUCKS	869	133
		899	
DELAWARE VALLEY	BUCKS	891	692
DELAWARE VALLEY	BUCKS	899	848
		307	
		367	
DELAWARE VALLEY	BUCKS	941	291
		273	
		489	
DELAWARE VALLEY	BUCKS	944	460
		274	
DELAWARE VALLEY	BUCKS	951	515
DELAWARE VALLEY	BUCKS	99	222
DELAWARE VALLEY	BUCKS	99	516
DELAWARE VALLEY	BUCKS	99	845
DELAWARE VALLEY	CHESTER	201	349
DELAWARE VALLEY	CHESTER	275	42
DELAWARE VALLEY	CHESTER	282	689
		307	
		264	
DELAWARE VALLEY	CHESTER	282	894
		307	
DELAWARE VALLEY	CHESTER	283	93
		286	
		287	
DELAWARE VALLEY	CHESTER	285	1154
		289	
DELAWARE VALLEY	CHESTER	286	281
		289	
DELAWARE VALLEY	CHESTER	289	305
		307	
		329	
DELAWARE VALLEY	CHESTER	331	570
DELAWARE VALLEY	CHESTER	351	364
		379	
DELAWARE VALLEY	CHESTER	361	361
		367	
DELAWARE VALLEY	CHESTER	361	1162
		367	
		386	
DELAWARE VALLEY	CHESTER	371	91
		374	
		379	
DELAWARE VALLEY	CHESTER	379	486
		349	
		367	
DELAWARE VALLEY	CHESTER	381	184
		382	
		367	
DELAWARE VALLEY	CHESTER	381	434
DELAWARE VALLEY	CHESTER	382	46
		367	
		349	
DELAWARE VALLEY	CHESTER	421	695
		401	
		444	
DELAWARE VALLEY	CHESTER	739	217
		899	
DELAWARE VALLEY	CHESTER	739	596

REGION	COUNTY	SIC	RECORD ID
		73	
DELAWARE VALLEY	CHESTER	739	665
DELAWARE VALLEY	CHESTER	739	933
DELAWARE VALLEY	CHESTER	809	682
		899	
DELAWARE VALLEY	CHESTER	809	1019
		839	
DELAWARE VALLEY	CHESTER	861	1150
		862	
		864	
DELAWARE VALLEY	CHESTER	869	1028
		841	
DELAWARE VALLEY	CHESTER	891	436
		919	
DELAWARE VALLEY	CHESTER	891	1115
DELAWARE VALLEY	CHESTER	892	3
DELAWARE VALLEY	CHESTER	899	650
DELAWARE VALLEY	CHESTER	971	941
		737	
		892	
DELAWARE VALLEY	CHESTER	99	208
DELAWARE VALLEY	CHESTER	99	568
DELAWARE VALLEY	CHESTER	99	649
DELAWARE VALLEY	DELAWARE	152	936
		154	
		951	
DELAWARE VALLEY	DELAWARE	162	714
DELAWARE VALLEY	DELAWARE	221	577
		222	
		223	
DELAWARE VALLEY	DELAWARE	243	813
DELAWARE VALLEY	DELAWARE	271	881
		731	
DELAWARE VALLEY	DELAWARE	280	865
		919	
DELAWARE VALLEY	DELAWARE	281	1142
		381	
		494	
DELAWARE VALLEY	DELAWARE	284	488
DELAWARE VALLEY	DELAWARE	285	183
		295	
		282	
DELAWARE VALLEY	DELAWARE	286	56
		282	
		289	
DELAWARE VALLEY	DELAWARE	289	1124
		283	
DELAWARE VALLEY	DELAWARE	289	1137
DELAWARE VALLEY	DELAWARE	291	934
		299	
DELAWARE VALLEY	DELAWARE	291	947
DELAWARE VALLEY	DELAWARE	326	1022
		346	
		322	
DELAWARE VALLEY	DELAWARE	329	1021
DELAWARE VALLEY	DELAWARE	346	485
		355	
		349	
DELAWARE VALLEY	DELAWARE	348	1131
		379	
		138	

REGION	COUNTY	SIC	RECORD ID
DELAWARE VALLEY	DELAWARE	369	675
		366	
		349	
DELAWARE VALLEY	DELAWARE	372	1
DELAWARE VALLEY	DELAWARE	372	946
DELAWARE VALLEY	DELAWARE	381	1123
DELAWARE VALLEY	DELAWARE	381	1130
		899	
DELAWARE VALLEY	DELAWARE	384	370
DELAWARE VALLEY	DELAWARE	411	187
DELAWARE VALLEY	DELAWARE	451	1133
		372	
		382	
DELAWARE VALLEY	DELAWARE	452	828
		85	
		108	
DELAWARE VALLEY	DELAWARE	458	294
DELAWARE VALLEY	DELAWARE	48	1126
		28	
		15	
DELAWARE VALLEY	DELAWARE	481	205
		489	
DELAWARE VALLEY	DELAWARE	737	942
DELAWARE VALLEY	DELAWARE	739	477
DELAWARE VALLEY	DELAWARE	739	867
		737	
DELAWARE VALLEY	DELAWARE	739	929
DELAWARE VALLEY	DELAWARE	739	1143
DELAWARE VALLEY	DELAWARE	801	47
		803	
		806	
DELAWARE VALLEY	DELAWARE	809	300
		839	
		941	
DELAWARE VALLEY	DELAWARE	83	186
DELAWARE VALLEY	DELAWARE	892	328
		739	
		282	
DELAWARE VALLEY	DELAWARE	892	855
		89	
DELAWARE VALLEY	DELAWARE	892	1125
DELAWARE VALLEY	DELAWARE	892	1127
DELAWARE VALLEY	DELAWARE	892	1132
DELAWARE VALLEY	DELAWARE	899	83
DELAWARE VALLEY	DELAWARE	899	852
		971	
		972	
DELAWARE VALLEY	DELAWARE	899	1061
DELAWARE VALLEY	DELAWARE	944	938
		951	
		953	
DELAWARE VALLEY	DELAWARE	951	1122
		862	
DELAWARE VALLEY	DELAWARE	961	185
		655	
		953	
DELAWARE VALLEY	DELAWARE	99	206
DELAWARE VALLEY	DELAWARE	99	292
DELAWARE VALLEY	DELAWARE	99	307
DELAWARE VALLEY	DELAWARE	99	589
DELAWARE VALLEY	DELAWARE	99	937

REGION	COUNTY	SIC	RECORD ID
DELAWARE VALLEY	DELAWARE	99	939
DELAWARE VALLEY	DELAWARE	99	1128
DELAWARE VALLEY	DELAWARE	99	1129
DELAWARE VALLEY	DELAWARE	99	1134
DELAWARE VALLEY	DELAWARE	99	1135
DELAWARE VALLEY	DELAWARE	99	1136
DELAWARE VALLEY	DELAWARE	99	1138
DELAWARE VALLEY	DELAWARE	99	1139
DELAWARE VALLEY	DELAWARE	99	1140
DELAWARE VALLEY	DELAWARE	99	1141
DELAWARE VALLEY	MONTGOMERY	18	105
		24	
DELAWARE VALLEY	MONTGOMERY	20	853
		30	
DELAWARE VALLEY	MONTGOMERY	201	441
		209	
DELAWARE VALLEY	MONTGOMERY	272	188
		273	
DELAWARE VALLEY	MONTGOMERY	272	346
DELAWARE VALLEY	MONTGOMERY	281	806
		282	
		283	
DELAWARE VALLEY	MONTGOMERY	281	807
		284	
		289	
DELAWARE VALLEY	MONTGOMERY	281	1033
		289	
		284	
DELAWARE VALLEY	MONTGOMERY	282	810
		289	
		384	
DELAWARE VALLEY	MONTGOMERY	282	877
		286	
		287	
DELAWARE VALLEY	MONTGOMERY	285	210
		284	
DELAWARE VALLEY	MONTGOMERY	286	808
		289	
		281	
DELAWARE VALLEY	MONTGOMERY	287	805
DELAWARE VALLEY	MONTGOMERY	289	850
		286	
DELAWARE VALLEY	MONTGOMERY	30	940
		307	
		9	
DELAWARE VALLEY	MONTGOMERY	306	379
		307	
DELAWARE VALLEY	MONTGOMERY	325	44
		145	
DELAWARE VALLEY	MONTGOMERY	329	862
			145
DELAWARE VALLEY	MONTGOMERY	343	102
		899	
		349	
DELAWARE VALLEY	MONTGOMERY	343	231
		354	
DELAWARE VALLEY	MONTGOMERY	343	1047
		349	
DELAWARE VALLEY	MONTGOMERY	344	101
DELAWARE VALLEY	MONTGOMERY	344	191
DELAWARE VALLEY	MONTGOMERY	344	496
		349	

REGION	COUNTY	SIC	RECORD ID
		372	
DELAWARE VALLEY	MONTGOMERY	345	923
		346	
		344	
DELAWARE VALLEY	MONTGOMERY	349	672
		891	
		951	
DELAWARE VALLEY	MONTGOMERY	349	1169
		381	
DELAWARE VALLEY	MONTGOMERY	351	836
		362	
		496	
DELAWARE VALLEY	MONTGOMERY	352	411
		353	
		359	
DELAWARE VALLEY	MONTGOMERY	352	681
		371	
DELAWARE VALLEY	MONTGOMERY	355	6
		369	
DELAWARE VALLEY	MONTGOMERY	355	495
		359	
DELAWARE VALLEY	MONTGOMERY	355	846
DELAWARE VALLEY	MONTGOMERY	356	820
DELAWARE VALLEY	MONTGOMERY	356	911
DELAWARE VALLEY	MONTGOMERY	357	196
DELAWARE VALLEY	MONTGOMERY	359	514
		369	
		382	
DELAWARE VALLEY	MONTGOMERY	366	75
DELAWARE VALLEY	MONTGOMERY	366	76
DELAWARE VALLEY	MONTGOMERY	366	77
DELAWARE VALLEY	MONTGOMERY	366	366
		367	
DELAWARE VALLEY	MONTGOMERY	366	1161
DELAWARE VALLEY	MONTGOMERY	367	440
DELAWARE VALLEY	MONTGOMERY	367	489
DELAWARE VALLEY	MONTGOMERY	367	1038
DELAWARE VALLEY	MONTGOMERY	369	30
DELAWARE VALLEY	MONTGOMERY	371	323
		375	
		356	
DELAWARE VALLEY	MONTGOMERY	374	1017
		371	
		307	
DELAWARE VALLEY	MONTGOMERY	38	71
		383	
DELAWARE VALLEY	MONTGOMERY	381	1043
		382	
DELAWARE VALLEY	MONTGOMERY	382	439
DELAWARE VALLEY	MONTGOMERY	382	494
		383	
DELAWARE VALLEY	MONTGOMERY	481	476
		737	
DELAWARE VALLEY	MONTGOMERY	481	928
		891	
		489	
DELAWARE VALLEY	MONTGOMERY	494	825
DELAWARE VALLEY	MONTGOMERY	602	17
		605	
		612	
DELAWARE VALLEY	MONTGOMERY	66	69
		739	
		81	
DELAWARE VALLEY	MONTGOMERY	739	66
		941	
DELAWARE VALLEY	MONTGOMERY	739	680
DELAWARE VALLEY	MONTGOMERY	739	889
		737	
DELAWARE VALLEY	MONTGOMERY	739	892
		737	
DELAWARE VALLEY	MONTGOMERY	8	386
		24	
		26	
DELAWARE VALLEY	MONTGOMERY	80	656
		809	
DELAWARE VALLEY	MONTGOMERY	804	38
DELAWARE VALLEY	MONTGOMERY	807	58
DELAWARE VALLEY	MONTGOMERY	81	35
DELAWARE VALLEY	MONTGOMERY	866	68
DELAWARE VALLEY	MONTGOMERY	89	483
		367	
		737	
DELAWARE VALLEY	MONTGOMERY	891	90
DELAWARE VALLEY	MONTGOMERY	891	310
		899	
DELAWARE VALLEY	MONTGOMERY	891	524
DELAWARE VALLEY	MONTGOMERY	891	870
		494	
		951	
DELAWARE VALLEY	MONTGOMERY	892	109
DELAWARE VALLEY	MONTGOMERY	892	110
DELAWARE VALLEY	MONTGOMERY	892	111
DELAWARE VALLEY	MONTGOMERY	892	112
DELAWARE VALLEY	MONTGOMERY	892	423
DELAWARE VALLEY	MONTGOMERY	899	92
DELAWARE VALLEY	MONTGOMERY	899	181
		737	
		739	
DELAWARE VALLEY	MONTGOMERY	899	348
DELAWARE VALLEY	MONTGOMERY	899	1151
		739	
		944	
DELAWARE VALLEY	MONTGOMERY	941	303
		944	
DELAWARE VALLEY	MONTGOMERY	941	316
DELAWARE VALLEY	MONTGOMERY	962	355
		963	
		737	
DELAWARE VALLEY	MONTGOMERY	971	40
		366	
		367	
DELAWARE VALLEY	MONTGOMERY	971	50
		366	
DELAWARE VALLEY	MONTGOMERY	99	34
DELAWARE VALLEY	MONTGOMERY	99	113
DELAWARE VALLEY	MONTGOMERY	99	301
DELAWARE VALLEY	MONTGOMERY	99	469
DELAWARE VALLEY	MONTGOMERY	99	507
DELAWARE VALLEY	MONTGOMERY	99	931
DELAWARE VALLEY	MONTGOMERY	99	963
DELAWARE VALLEY	MONTGOMERY	99	1046
DELAWARE VALLEY	MONTGOMERY	99	1049

REGION	COUNTY	SIC	RECORD ID
DELAWARE VALLEY	MONTGOMERY	99	1152
DELAWARE VALLEY	PHILADELPHIA	161 162	258
DELAWARE VALLEY	PHILADELPHIA	162	261
DELAWARE VALLEY	PHILADELPHIA	20	980
DELAWARE VALLEY	PHILADELPHIA	20 1 2	1055
DELAWARE VALLEY	PHILADELPHIA	203	989
DELAWARE VALLEY	PHILADELPHIA	209 20	252
DELAWARE VALLEY	PHILADELPHIA	22	703
DELAWARE VALLEY	PHILADELPHIA	262 261 264	895
DELAWARE VALLEY	PHILADELPHIA	271 489 731	823
DELAWARE VALLEY	PHILADELPHIA	273 781 972	464
DELAWARE VALLEY	PHILADELPHIA	275 355	916
DELAWARE VALLEY	PHILADELPHIA	28 284	262
DELAWARE VALLEY	PHILADELPHIA	28 282 285	263
DELAWARE VALLEY	PHILADELPHIA	282 295 307	240
DELAWARE VALLEY	PHILADELPHIA	282 284 289	458
DELAWARE VALLEY	PHILADELPHIA	283	393
DELAWARE VALLEY	PHILADELPHIA	283	400
DELAWARE VALLEY	PHILADELPHIA	283 289	817
DELAWARE VALLEY	PHILADELPHIA	283 75	915
DELAWARE VALLEY	PHILADELPHIA	283 284 381	958
DELAWARE VALLEY	PHILADELPHIA	283 801 808	964
DELAWARE VALLEY	PHILADELPHIA	283	987
DELAWARE VALLEY	PHILADELPHIA	283	988
DELAWARE VALLEY	PHILADELPHIA	283 809 919	996
DELAWARE VALLEY	PHILADELPHIA	283	1008
DELAWARE VALLEY	PHILADELPHIA	283	1011
DELAWARE VALLEY	PHILADELPHIA	283	1167
DELAWARE VALLEY	PHILADELPHIA	284	503
DELAWARE VALLEY	PHILADELPHIA	286	32
DELAWARE VALLEY	PHILADELPHIA	286 282	57
DELAWARE VALLEY	PHILADELPHIA	287 892 809	979
DELAWARE VALLEY	PHILADELPHIA	289 892 201	235
DELAWARE VALLEY	PHILADELPHIA	289 739	341
DELAWARE VALLEY	PHILADELPHIA	289 284 286	422
DELAWARE VALLEY	PHILADELPHIA	332 336 339	257
DELAWARE VALLEY	PHILADELPHIA	344 345 346	215
DELAWARE VALLEY	PHILADELPHIA	349	497
DELAWARE VALLEY	PHILADELPHIA	35 493 496	588
DELAWARE VALLEY	PHILADELPHIA	355	686
DELAWARE VALLEY	PHILADELPHIA	355	809
DELAWARE VALLEY	PHILADELPHIA	355 381 382	1148
DELAWARE VALLEY	PHILADELPHIA	358	442
DELAWARE VALLEY	PHILADELPHIA	362 367	470
DELAWARE VALLEY	PHILADELPHIA	367	670
DELAWARE VALLEY	PHILADELPHIA	372 374	99
DELAWARE VALLEY	PHILADELPHIA	372 411	100
DELAWARE VALLEY	PHILADELPHIA	376 966	360
DELAWARE VALLEY	PHILADELPHIA	381	295
DELAWARE VALLEY	PHILADELPHIA	381 382	347
DELAWARE VALLEY	PHILADELPHIA	381 384	827
DELAWARE VALLEY	PHILADELPHIA	381 809	998
DELAWARE VALLEY	PHILADELPHIA	381	1145
DELAWARE VALLEY	PHILADELPHIA	382	43
DELAWARE VALLEY	PHILADELPHIA	382 383 386	961
DELAWARE VALLEY	PHILADELPHIA	384	955
DELAWARE VALLEY	PHILADELPHIA	401 374	204
DELAWARE VALLEY	PHILADELPHIA	407 808	405
DELAWARE VALLEY	PHILADELPHIA	483 489	599
DELAWARE VALLEY	PHILADELPHIA	489 739 899	475
DELAWARE VALLEY	PHILADELPHIA	489 731	917
DELAWARE VALLEY	PHILADELPHIA	493	819
DELAWARE VALLEY	PHILADELPHIA	531	932
DELAWARE VALLEY	PHILADELPHIA	601	317

REGION	COUNTY	SIC	RECORD ID
DELAWARE VALLEY	PHILADELPHIA	603	824
DELAWARE VALLEY	PHILADELPHIA	631	849
DELAWARE VALLEY	PHILADELPHIA	631	1031
		621	
DELAWARE VALLEY	PHILADELPHIA	631	1084
		632	
		637	
DELAWARE VALLEY	PHILADELPHIA	633	861
DELAWARE VALLEY	PHILADELPHIA	637	1081
DELAWARE VALLEY	PHILADELPHIA	7	909
		20	
		28	
DELAWARE VALLEY	PHILADELPHIA	73	912
		739	
DELAWARE VALLEY	PHILADELPHIA	739	103
DELAWARE VALLEY	PHILADELPHIA	739	220
		899	
		810	
DELAWARE VALLEY	PHILADELPHIA	739	337
		36	
DELAWARE VALLEY	PHILADELPHIA	739	338
DELAWARE VALLEY	PHILADELPHIA	739	339
		351	
DELAWARE VALLEY	PHILADELPHIA	739	340
DELAWARE VALLEY	PHILADELPHIA	739	437
DELAWARE VALLEY	PHILADELPHIA	739	510
DELAWARE VALLEY	PHILADELPHIA	739	1003
		941	
DELAWARE VALLEY	PHILADELPHIA	739	1020
		737	
DELAWARE VALLEY	PHILADELPHIA	739	1111
		899	
DELAWARE VALLEY	PHILADELPHIA	781	52
DELAWARE VALLEY	PHILADELPHIA	799	1009
		839	
DELAWARE VALLEY	PHILADELPHIA	80	694
		807	
DELAWARE VALLEY	PHILADELPHIA	80	818
DELAWARE VALLEY	PHILADELPHIA	801	398
DELAWARE VALLEY	PHILADELPHIA	801	417
		809	
DELAWARE VALLEY	PHILADELPHIA	801	480
		806	
		808	
DELAWARE VALLEY	PHILADELPHIA	801	1085
		806	
		808	
DELAWARE VALLEY	PHILADELPHIA	801	1165
		806	
		808	
DELAWARE VALLEY	PHILADELPHIA	802	992
DELAWARE VALLEY	PHILADELPHIA	804	1080
		809	
DELAWARE VALLEY	PHILADELPHIA	805	822
		806	
		809	
DELAWARE VALLEY	PHILADELPHIA	805	1068
		806	
		808	
DELAWARE VALLEY	PHILADELPHIA	806	327
		808	

REGION	COUNTY	SIC	RECORD ID
		809	
DELAWARE VALLEY	PHILADELPHIA	806	373
		808	
		809	
DELAWARE VALLEY	PHILADELPHIA	806	374
DELAWARE VALLEY	PHILADELPHIA	806	965
		283	
		807	
DELAWARE VALLEY	PHILADELPHIA	806	977
		808	
		805	
DELAWARE VALLEY	PHILADELPHIA	806	1071
		899	
		951	
DELAWARE VALLEY	PHILADELPHIA	808	399
		807	
		809	
DELAWARE VALLEY	PHILADELPHIA	808	402
		807	
		809	
DELAWARE VALLEY	PHILADELPHIA	808	702
DELAWARE VALLEY	PHILADELPHIA	809	39
DELAWARE VALLEY	PHILADELPHIA	809	954
DELAWARE VALLEY	PHILADELPHIA	809	962
DELAWARE VALLEY	PHILADELPHIA	809	968
DELAWARE VALLEY	PHILADELPHIA	809	969
DELAWARE VALLEY	PHILADELPHIA	809	970
DELAWARE VALLEY	PHILADELPHIA	809	999
DELAWARE VALLEY	PHILADELPHIA	809	1005
DELAWARE VALLEY	PHILADELPHIA	809	1006
		839	
		941	
DELAWARE VALLEY	PHILADELPHIA	809	1070
		806	
		808	
DELAWARE VALLEY	PHILADELPHIA	809	1072
		283	
		899	
DELAWARE VALLEY	PHILADELPHIA	809	1077
DELAWARE VALLEY	PHILADELPHIA	832	264
		83	
DELAWARE VALLEY	PHILADELPHIA	832	479
		805	
		806	
DELAWARE VALLEY	PHILADELPHIA	832	1004
		944	
DELAWARE VALLEY	PHILADELPHIA	832	1073
		944	
DELAWARE VALLEY	PHILADELPHIA	839	1007
		809	
		941	
DELAWARE VALLEY	PHILADELPHIA	841	1086
DELAWARE VALLEY	PHILADELPHIA	842	826
DELAWARE VALLEY	PHILADELPHIA	842	1178
DELAWARE VALLEY	PHILADELPHIA	861	324
		892	
DELAWARE VALLEY	PHILADELPHIA	881	888
DELAWARE VALLEY	PHILADELPHIA	89	982
		892	
DELAWARE VALLEY	PHILADELPHIA	891	283
		899	

REGION	COUNTY	SIC	RECORD ID
DELAWARE VALLEY	PHILADELPHIA	891	1026
		892	
DELAWARE VALLEY	PHILADELPHIA	891	1066
DELAWARE VALLEY	PHILADELPHIA	891	1117
DELAWARE VALLEY	PHILADELPHIA	892	314
DELAWARE VALLEY	PHILADELPHIA	892	326
		272	
		273	
DELAWARE VALLEY	PHILADELPHIA	892	986
DELAWARE VALLEY	PHILADELPHIA	892	1063
DELAWARE VALLEY	PHILADELPHIA	892	1064
		739	
DELAWARE VALLEY	PHILADELPHIA	892	1067
DELAWARE VALLEY	PHILADELPHIA	892	1069
		941	
		899	
DELAWARE VALLEY	PHILADELPHIA	892	1079
DELAWARE VALLEY	PHILADELPHIA	892	1083
DELAWARE VALLEY	PHILADELPHIA	892	1087
DELAWARE VALLEY	PHILADELPHIA	899	421
DELAWARE VALLEY	PHILADELPHIA	899	814
DELAWARE VALLEY	PHILADELPHIA	9	640
DELAWARE VALLEY	PHILADELPHIA	913	666
		912	
		911	
DELAWARE VALLEY	PHILADELPHIA	913	1018
		944	
		961	
DELAWARE VALLEY	PHILADELPHIA	919	957
		941	
DELAWARE VALLEY	PHILADELPHIA	921	176
		628	
DELAWARE VALLEY	PHILADELPHIA	93	978
		961	
		739	
DELAWARE VALLEY	PHILADELPHIA	94	424
		73	
DELAWARE VALLEY	PHILADELPHIA	941	65
DELAWARE VALLEY	PHILADELPHIA	941	990
DELAWARE VALLEY	PHILADELPHIA	941	993
DELAWARE VALLEY	PHILADELPHIA	941	1001
		749	
DELAWARE VALLEY	PHILADELPHIA	941	1076
		944	
		411	
DELAWARE VALLEY	PHILADELPHIA	951	591
		899	
		289	
DELAWARE VALLEY	PHILADELPHIA	99	54
DELAWARE VALLEY	PHILADELPHIA	99	212
DELAWARE VALLEY	PHILADELPHIA	99	232
DELAWARE VALLEY	PHILADELPHIA	99	233
DELAWARE VALLEY	PHILADELPHIA	99	234
DELAWARE VALLEY	PHILADELPHIA	99	236
DELAWARE VALLEY	PHILADELPHIA	99	237
DELAWARE VALLEY	PHILADELPHIA	99	238
DELAWARE VALLEY	PHILADELPHIA	99	239
DELAWARE VALLEY	PHILADELPHIA	99	241
DELAWARE VALLEY	PHILADELPHIA	99	242
DELAWARE VALLEY	PHILADELPHIA	99	243
DELAWARE VALLEY	PHILADELPHIA	99	244

REGION	COUNTY	SIC	RECORD ID
DELAWARE VALLEY	PHILADELPHIA	99	245
DELAWARE VALLEY	PHILADELPHIA	99	246
DELAWARE VALLEY	PHILADELPHIA	99	247
DELAWARE VALLEY	PHILADELPHIA	99	248
DELAWARE VALLEY	PHILADELPHIA	99	249
DELAWARE VALLEY	PHILADELPHIA	99	250
DELAWARE VALLEY	PHILADELPHIA	99	251
DELAWARE VALLEY	PHILADELPHIA	99	253
DELAWARE VALLEY	PHILADELPHIA	99	254
DELAWARE VALLEY	PHILADELPHIA	99	255
DELAWARE VALLEY	PHILADELPHIA	99	256
DELAWARE VALLEY	PHILADELPHIA	99	259
DELAWARE VALLEY	PHILADELPHIA	99	260
DELAWARE VALLEY	PHILADELPHIA	99	265
DELAWARE VALLEY	PHILADELPHIA	99	266
DELAWARE VALLEY	PHILADELPHIA	99	358
DELAWARE VALLEY	PHILADELPHIA	99	390
DELAWARE VALLEY	PHILADELPHIA	99	391
DELAWARE VALLEY	PHILADELPHIA	99	392
DELAWARE VALLEY	PHILADELPHIA	99	394
DELAWARE VALLEY	PHILADELPHIA	99	395
DELAWARE VALLEY	PHILADELPHIA	99	396
DELAWARE VALLEY	PHILADELPHIA	99	397
DELAWARE VALLEY	PHILADELPHIA	99	401
DELAWARE VALLEY	PHILADELPHIA	99	403
DELAWARE VALLEY	PHILADELPHIA	99	404
DELAWARE VALLEY	PHILADELPHIA	99	406
DELAWARE VALLEY	PHILADELPHIA	99	407
DELAWARE VALLEY	PHILADELPHIA	99	408
DELAWARE VALLEY	PHILADELPHIA	99	409
DELAWARE VALLEY	PHILADELPHIA	99	410
DELAWARE VALLEY	PHILADELPHIA	99	461
DELAWARE VALLEY	PHILADELPHIA	99	520
DELAWARE VALLEY	PHILADELPHIA	99	600
DELAWARE VALLEY	PHILADELPHIA	99	601
DELAWARE VALLEY	PHILADELPHIA	99	602
DELAWARE VALLEY	PHILADELPHIA	99	603
DELAWARE VALLEY	PHILADELPHIA	99	604
DELAWARE VALLEY	PHILADELPHIA	99	605
DELAWARE VALLEY	PHILADELPHIA	99	606
DELAWARE VALLEY	PHILADELPHIA	99	607
DELAWARE VALLEY	PHILADELPHIA	99	608
DELAWARE VALLEY	PHILADELPHIA	99	609
DELAWARE VALLEY	PHILADELPHIA	99	610
DELAWARE VALLEY	PHILADELPHIA	99	611
DELAWARE VALLEY	PHILADELPHIA	99	612
DELAWARE VALLEY	PHILADELPHIA	99	613
DELAWARE VALLEY	PHILADELPHIA	99	614
DELAWARE VALLEY	PHILADELPHIA	99	615
DELAWARE VALLEY	PHILADELPHIA	99	616
DELAWARE VALLEY	PHILADELPHIA	99	617
DELAWARE VALLEY	PHILADELPHIA	99	618
DELAWARE VALLEY	PHILADELPHIA	99	619
DELAWARE VALLEY	PHILADELPHIA	99	620
DELAWARE VALLEY	PHILADELPHIA	99	621
DELAWARE VALLEY	PHILADELPHIA	99	622
DELAWARE VALLEY	PHILADELPHIA	99	623
DELAWARE VALLEY	PHILADELPHIA	99	624
DELAWARE VALLEY	PHILADELPHIA	99	625
DELAWARE VALLEY	PHILADELPHIA	99	626
DELAWARE VALLEY	PHILADELPHIA	99	627

REGION	COUNTY	SIC	RECORD ID
DELAWARE VALLEY	PHILADELPHIA	99	628
DELAWARE VALLEY	PHILADELPHIA	99	629
DELAWARE VALLEY	PHILADELPHIA	99	630
DELAWARE VALLEY	PHILADELPHIA	99	631
DELAWARE VALLEY	PHILADELPHIA	99	632
DELAWARE VALLEY	PHILADELPHIA	99	633
DELAWARE VALLEY	PHILADELPHIA	99	634
DELAWARE VALLEY	PHILADELPHIA	99	635
DELAWARE VALLEY	PHILADELPHIA	99	636
DELAWARE VALLEY	PHILADELPHIA	99	637
DELAWARE VALLEY	PHILADELPHIA	99	638
DELAWARE VALLEY	PHILADELPHIA	99	639
DELAWARE VALLEY	PHILADELPHIA	99	641
DELAWARE VALLEY	PHILADELPHIA	99	642
DELAWARE VALLEY	PHILADELPHIA	99	643
DELAWARE VALLEY	PHILADELPHIA	99	644
DELAWARE VALLEY	PHILADELPHIA	99	645
DELAWARE VALLEY	PHILADELPHIA	99	646
DELAWARE VALLEY	PHILADELPHIA	99	647
DELAWARE VALLEY	PHILADELPHIA	99	648
DELAWARE VALLEY	PHILADELPHIA	99	668
DELAWARE VALLEY	PHILADELPHIA	99	671
DELAWARE VALLEY	PHILADELPHIA	99	708
DELAWARE VALLEY	PHILADELPHIA	99	821
DELAWARE VALLEY	PHILADELPHIA	99	884
DELAWARE VALLEY	PHILADELPHIA	99	885
DELAWARE VALLEY	PHILADELPHIA	99	886
DELAWARE VALLEY	PHILADELPHIA	99	887
DELAWARE VALLEY	PHILADELPHIA	99	918
DELAWARE VALLEY	PHILADELPHIA	99	924
DELAWARE VALLEY	PHILADELPHIA	99	952
DELAWARE VALLEY	PHILADELPHIA	99	953
DELAWARE VALLEY	PHILADELPHIA	99	956
DELAWARE VALLEY	PHILADELPHIA	99	959
DELAWARE VALLEY	PHILADELPHIA	99	960
DELAWARE VALLEY	PHILADELPHIA	99	966
DELAWARE VALLEY	PHILADELPHIA	99	967
DELAWARE VALLEY	PHILADELPHIA	99	971
DELAWARE VALLEY	PHILADELPHIA	99	972
DELAWARE VALLEY	PHILADELPHIA	99	973
DELAWARE VALLEY	PHILADELPHIA	99	974
DELAWARE VALLEY	PHILADELPHIA	99	975
DELAWARE VALLEY	PHILADELPHIA	99	976
DELAWARE VALLEY	PHILADELPHIA	99	981
DELAWARE VALLEY	PHILADELPHIA	99	983
DELAWARE VALLEY	PHILADELPHIA	99	984
DELAWARE VALLEY	PHILADELPHIA	99	985
DELAWARE VALLEY	PHILADELPHIA	99	991
DELAWARE VALLEY	PHILADELPHIA	99	994
DELAWARE VALLEY	PHILADELPHIA	99	995
DELAWARE VALLEY	PHILADELPHIA	99	997
DELAWARE VALLEY	PHILADELPHIA	99	1000
DELAWARE VALLEY	PHILADELPHIA	99	1002
DELAWARE VALLEY	PHILADELPHIA	99	1010
DELAWARE VALLEY	PHILADELPHIA	99	1012
DELAWARE VALLEY	PHILADELPHIA	99	1035
DELAWARE VALLEY	PHILADELPHIA	99	1065
DELAWARE VALLEY	PHILADELPHIA	99	1074
DELAWARE VALLEY	PHILADELPHIA	99	1075
DELAWARE VALLEY	PHILADELPHIA	99	1078
DELAWARE VALLEY	PHILADELPHIA	99	1082

REGION	COUNTY	SIC	RECORD ID
LEHIGH VALLEY	BERKS	204	1015
		205	
		209	
LEHIGH VALLEY	BERKS	22	1036
LEHIGH VALLEY	BERKS	271	859
		275	
LEHIGH VALLEY	BERKS	28	213
		286	
LEHIGH VALLEY	BERKS	281	493
		333	
LEHIGH VALLEY	BERKS	281	576
		286	
		289	
LEHIGH VALLEY	BERKS	281	930
		289	
LEHIGH VALLEY	BERKS	282	869
LEHIGH VALLEY	BERKS	283	37
LEHIGH VALLEY	BERKS	285	372
LEHIGH VALLEY	BERKS	286	214
		289	
LEHIGH VALLEY	BERKS	313	858
		341	
LEHIGH VALLEY	BERKS	325	371
		327	
		145	
LEHIGH VALLEY	BERKS	331	173
		346	
LEHIGH VALLEY	BERKS	334	284
		349	
		379	
LEHIGH VALLEY	BERKS	335	142
		336	
		333	
LEHIGH VALLEY	BERKS	344	1051
		345	
		346	
LEHIGH VALLEY	BERKS	349	438
LEHIGH VALLEY	BERKS	354	95
LEHIGH VALLEY	BERKS	369	356
LEHIGH VALLEY	BERKS	481	350
LEHIGH VALLEY	BERKS	737	329
LEHIGH VALLEY	BERKS	739	82
		899	
		99	
LEHIGH VALLEY	BERKS	75	1168
		381	
		899	
LEHIGH VALLEY	BERKS	892	20
LEHIGH VALLEY	BERKS	892	21
LEHIGH VALLEY	BERKS	99	19
LEHIGH VALLEY	LEHIGH	20	28
		201	
		209	
LEHIGH VALLEY	LEHIGH	281	11
		282	
		286	
LEHIGH VALLEY	LEHIGH	281	12
		282	
		286	
LEHIGH VALLEY	LEHIGH	281	13
		286	

REGION	COUNTY	SIC	RECORD ID
LEHIGH VALLEY	LEHIGH	281	15
LEHIGH VALLEY	LEHIGH	282	945
LEHIGH VALLEY	LEHIGH	351	578
		371	
LEHIGH VALLEY	LEHIGH	367	87
LEHIGH VALLEY	LEHIGH	367	1155
LEHIGH VALLEY	LEHIGH	48	86
LEHIGH VALLEY	LEHIGH	491	713
		496	
		12	
LEHIGH VALLEY	LEHIGH	602	652
LEHIGH VALLEY	LEHIGH	801	462
		804	
		808	
LEHIGH VALLEY	LEHIGH	805	445
LEHIGH VALLEY	LEHIGH	806	563
		807	
		805	
LEHIGH VALLEY	LEHIGH	807	1027
LEHIGH VALLEY	LEHIGH	809	81
		384	
LEHIGH VALLEY	LEHIGH	99	189
LEHIGH VALLEY	NORTHAMPTON	167	553
		282	
		344	
LEHIGH VALLEY	NORTHAMPTON	225	108
LEHIGH VALLEY	NORTHAMPTON	239	557
LEHIGH VALLEY	NORTHAMPTON	28	535
		282	
		285	
LEHIGH VALLEY	NORTHAMPTON	281	384
		289	
		327	
LEHIGH VALLEY	NORTHAMPTON	282	539
		291	
LEHIGH VALLEY	NORTHAMPTON	282	815
LEHIGH VALLEY	NORTHAMPTON	283	529
		809	
		892	
LEHIGH VALLEY	NORTHAMPTON	283	816
		286	
LEHIGH VALLEY	NORTHAMPTON	285	533
		282	
		279	
LEHIGH VALLEY	NORTHAMPTON	331	89
		382	
		101	
LEHIGH VALLEY	NORTHAMPTON	335	549
		341	
		346	
LEHIGH VALLEY	NORTHAMPTON	339	548
		354	
		807	
LEHIGH VALLEY	NORTHAMPTON	343	223
LEHIGH VALLEY	NORTHAMPTON	343	1016
		359	
LEHIGH VALLEY	NORTHAMPTON	344	560
		356	
		355	
LEHIGH VALLEY	NORTHAMPTON	344	1118
		306	
		332	
LEHIGH VALLEY	NORTHAMPTON	351	541
		381	
LEHIGH VALLEY	NORTHAMPTON	353	345
		356	
LEHIGH VALLEY	NORTHAMPTON	356	551
		381	
LEHIGH VALLEY	NORTHAMPTON	364	558
		383	
		359	
LEHIGH VALLEY	NORTHAMPTON	366	543
		362	
		367	
LEHIGH VALLEY	NORTHAMPTON	381	528
LEHIGH VALLEY	NORTHAMPTON	381	554
		892	
LEHIGH VALLEY	NORTHAMPTON	491	552
		496	
LEHIGH VALLEY	NORTHAMPTON	737	530
		489	
LEHIGH VALLEY	NORTHAMPTON	739	23
LEHIGH VALLEY	NORTHAMPTON	739	367
LEHIGH VALLEY	NORTHAMPTON	75	278
LEHIGH VALLEY	NORTHAMPTON	862	192
LEHIGH VALLEY	NORTHAMPTON	862	537
		154	
		162	
LEHIGH VALLEY	NORTHAMPTON	869	559
		892	
LEHIGH VALLEY	NORTHAMPTON	891	545
LEHIGH VALLEY	NORTHAMPTON	891	1112
		899	
		953	
LEHIGH VALLEY	NORTHAMPTON	892	527
		286	
		283	
LEHIGH VALLEY	NORTHAMPTON	892	531
		951	
LEHIGH VALLEY	NORTHAMPTON	892	542
		93	
LEHIGH VALLEY	NORTHAMPTON	892	544
LEHIGH VALLEY	NORTHAMPTON	892	546
LEHIGH VALLEY	NORTHAMPTON	892	562
		869	
LEHIGH VALLEY	NORTHAMPTON	899	459
		307	
LEHIGH VALLEY	NORTHAMPTON	899	891
		892	
		951	
LEHIGH VALLEY	NORTHAMPTON	99	532
LEHIGH VALLEY	NORTHAMPTON	99	534
LEHIGH VALLEY	NORTHAMPTON	99	536
LEHIGH VALLEY	NORTHAMPTON	99	538
LEHIGH VALLEY	NORTHAMPTON	99	540
LEHIGH VALLEY	NORTHAMPTON	99	547
LEHIGH VALLEY	NORTHAMPTON	99	550
LEHIGH VALLEY	NORTHAMPTON	99	555
LEHIGH VALLEY	NORTHAMPTON	99	556
LEHIGH VALLEY	NORTHAMPTON	99	561
NORTH CENTRAL	CLEARFIELD	381	899
		382	

REGION	COUNTY	SIC	RECORD ID
NORTH CENTRAL	ELK	262	804
		261	
NORTH CENTRAL	ELK	349	504
		367	
NORTH CENTRAL	ELK	362	16
NORTH CENTRAL	ELK	362	1034
		367	
		364	
NORTH CENTRAL	JEFFERSON	322	106
NORTH CENTRAL	JEFFERSON	739	582
NORTH CENTRAL	MCKEAN	291	498
		131	
NORTH CENTRAL	MCKEAN	367	509
NORTH CENTRAL	MCKEAN	99	838
NORTH CENTRAL	POTTER	289	517
		355	
NORTHEAST	CARBON	333	1029
		334	
		103	
NORTHEAST	LACKAWANNA	264	320
		307	
NORTHEAST	LACKAWANNA	34	51
		349	
NORTHEAST	LACKAWANNA	349	174
		739	
		899	
NORTHEAST	LACKAWANNA	35	4
		353	
NORTHEAST	LACKAWANNA	384	368
		229	
NORTHEAST	LACKAWANNA	60	687
		602	
NORTHEAST	LACKAWANNA	99	67
NORTHEAST	LUZERNE	282	363
NORTHEAST	LUZERNE	32	890
		322	
NORTHEAST	LUZERNE	346	227
NORTHEAST	LUZERNE	483	297
		366	
NORTHEAST	LUZERNE	602	1059
NORTHEAST	LUZERNE	861	289
		961	
NORTHEAST	LUZERNE	941	571
NORTHEAST	MONROE	27	834
NORTHEAST	MONROE	343	1024
NORTHEAST	MONROE	899	655
		891	
		953	
NORTHEAST	MONROE	9	287
		97	
NORTHEAST	MONROE	94	286
		941	
NORTHEAST	MONROE	99	285
NORTHEAST	PIKE	365	920
		366	
NORTHEAST	SCHUYLKILL	281	14
		286	
		289	
NORTHEAST	SCHUYLKILL	282	29
		307	
NORTHEAST	SCHUYLKILL	289	72
NORTHEAST	SCHUYLKILL	349	1174
		341	
		285	
NORTHEAST	WAYNE	401	1039
NORTHEAST	WAYNE	99	951
NORTHERN TIER	BRADFORD	99	387
NORTHERN TIER	TIOGA	97	583
NORTHERN TIER	TIOGA	99	584
NORTHERN TIER	TIOGA	99	585
NORTHWEST	CRAWFORD	110	342
		286	
		289	
NORTHWEST	CRAWFORD	972	24
NORTHWEST	ERIE	261	416
		262	
		264	
NORTHWEST	ERIE	262	351
		33	
NORTHWEST	ERIE	281	144
NORTHWEST	ERIE	281	580
		286	
		207	
NORTHWEST	ERIE	282	569
		285	
		289	
NORTHWEST	ERIE	336	949
		361	
NORTHWEST	ERIE	356	308
		349	
		369	
NORTHWEST	ERIE	356	1179
NORTHWEST	ERIE	359	73
		349	
		369	
NORTHWEST	ERIE	381	359
		374	
		411	
NORTHWEST	ERIE	384	45
		381	
NORTHWEST	ERIE	737	506
		891	
		85	
NORTHWEST	ERIE	801	290
		808	
		809	
NORTHWEST	ERIE	806	860
		808	
NORTHWEST	ERIE	809	353
NORTHWEST	ERIE	809	1121
NORTHWEST	ERIE	892	688
NORTHWEST	ERIE	922	455
		401	
		944	
NORTHWEST	ERIE	93	352
		92	
NORTHWEST	ERIE	99	653
NORTHWEST	ERIE	99	1057
NORTHWEST	LAWRENCE	329	683
NORTHWEST	MERCER	12	381
NORTHWEST	MERCER	285	478
NORTHWEST	MERCER	335	219

REGION	COUNTY	SIC	RECORD ID
		344	
		349	
NORTHWEST	MERCER	343	474
		349	
NORTHWEST	MERCER	361	1158
		381	
NORTHWEST	VENANGO	28	375
		289	
NORTHWEST	VENANGO	291	851
NORTHWEST	VENANGO	739	195
NORTHWEST	VENANGO	899	594
NORTHWEST	WARREN	346	677
		348	
NORTHWEST	WARREN	355	466
		364	
SOUTHERN ALLEGHENIE CAMBRIA		355	302
SOUTHERN ALLEGHENIE SOMERSET		951	699
		71	
		72	
SOUTHERN ALLEGHENIE BLAIR		739	868
		953	
SOUTHERN ALLEGHENIE BLAIR		80	1013
		94	
		83	
SOUTHERN ALLEGHENIE CAMBRIA		805	883
SOUTHERN ALLEGHENIE CAMBRIA		306	200
SOUTHERN ALLEGHENIE CAMBRIA		99	435
SOUTHERN ALLEGHENIE FULTON		353	481
		373	
		458	
SOUTHWEST	ALLEGHENY	12	96
		891	
SOUTHWEST	ALLEGHENY	12	201
		299	
SOUTHWEST	ALLEGHENY	12	203
		11	
SOUTHWEST	ALLEGHENY	12	288
SOUTHWEST	ALLEGHENY	131	385
		291	
		289	
SOUTHWEST	ALLEGHENY	20	53
		739	
SOUTHWEST	ALLEGHENY	203	429
		18	
		209	
SOUTHWEST	ALLEGHENY	27	376
		275	
		869	
SOUTHWEST	ALLEGHENY	271	833
SOUTHWEST	ALLEGHENY	279	593
		359	
		336	

REGION	COUNTY	SIC	RECORD ID
SOUTHWEST	ALLEGHENY	28	268
		289	
SOUTHWEST	ALLEGHENY	28	269
		289	
SOUTHWEST	ALLEGHENY	28	271
		289	
SOUTHWEST	ALLEGHENY	28	272
		289	
SOUTHWEST	ALLEGHENY	28	273
		283	
SOUTHWEST	ALLEGHENY	28	275
		289	
SOUTHWEST	ALLEGHENY	280	319
		290	
		80	
SOUTHWEST	ALLEGHENY	281	143
		286	
		284	
SOUTHWEST	ALLEGHENY	281	663
		286	
SOUTHWEST	ALLEGHENY	281	842
		285	
		321	
SOUTHWEST	ALLEGHENY	281	843
		286	
		287	
SOUTHWEST	ALLEGHENY	282	298
		326	
		343	
SOUTHWEST	ALLEGHENY	282	685
		348	
		891	
SOUTHWEST	ALLEGHENY	282	690
		28	
		20	
SOUTHWEST	ALLEGHENY	283	151
		809	
SOUTHWEST	ALLEGHENY	283	274
		892	
SOUTHWEST	ALLEGHENY	283	1105
SOUTHWEST	ALLEGHENY	285	839
		282	
SOUTHWEST	ALLEGHENY	286	511
		282	
		951	
SOUTHWEST	ALLEGHENY	289	1030
SOUTHWEST	ALLEGHENY	321	844
		323	
SOUTHWEST	ALLEGHENY	323	1041
		383	
SOUTHWEST	ALLEGHENY	324	419
		325	
		326	
SOUTHWEST	ALLEGHENY	329	841
		222	
		282	
SOUTHWEST	ALLEGHENY	329	1116
		331	
		332	
SOUTHWEST	ALLEGHENY	331	26
SOUTHWEST	ALLEGHENY	331	148

REGION	COUNTY	SIC	RECORD ID
SOUTHWEST	ALLEGHENY	331 339	487
SOUTHWEST	ALLEGHENY	331 289 12	1060
SOUTHWEST	ALLEGHENY	332 331	905
SOUTHWEST	ALLEGHENY	335 339	211
SOUTHWEST	ALLEGHENY	339 331	1062
SOUTHWEST	ALLEGHENY	344 349	97
SOUTHWEST	ALLEGHENY	344 162	831
SOUTHWEST	ALLEGHENY	345 349 361	412
SOUTHWEST	ALLEGHENY	346 347	155
SOUTHWEST	ALLEGHENY	349	199
SOUTHWEST	ALLEGHENY	349 364	658
SOUTHWEST	ALLEGHENY	353 355	832
SOUTHWEST	ALLEGHENY	353 354 356	1144
SOUTHWEST	ALLEGHENY	354 353 356	9
SOUTHWEST	ALLEGHENY	354	1044
SOUTHWEST	ALLEGHENY	356 891	85
SOUTHWEST	ALLEGHENY	357	157
SOUTHWEST	ALLEGHENY	36 28	164
SOUTHWEST	ALLEGHENY	36	1159
SOUTHWEST	ALLEGHENY	363	306
SOUTHWEST	ALLEGHENY	373 444 891	147
SOUTHWEST	ALLEGHENY	374 366 379	1058
SOUTHWEST	ALLEGHENY	374 306	1156
SOUTHWEST	ALLEGHENY	381	163
SOUTHWEST	ALLEGHENY	381	165
SOUTHWEST	ALLEGHENY	381	167
SOUTHWEST	ALLEGHENY	381 382	312
SOUTHWEST	ALLEGHENY	382	8
SOUTHWEST	ALLEGHENY	382 381	80
SOUTHWEST	ALLEGHENY	382 492 359	874
SOUTHWEST	ALLEGHENY	382 46 356	875
SOUTHWEST	ALLEGHENY	382 353 349	876
SOUTHWEST	ALLEGHENY	384 381	279
SOUTHWEST	ALLEGHENY	384 382	664
SOUTHWEST	ALLEGHENY	411 891	221
SOUTHWEST	ALLEGHENY	483	567
SOUTHWEST	ALLEGHENY	60 612 806	380
SOUTHWEST	ALLEGHENY	602	651
SOUTHWEST	ALLEGHENY	731	1052
SOUTHWEST	ALLEGHENY	737 357	149
SOUTHWEST	ALLEGHENY	737 357	169
SOUTHWEST	ALLEGHENY	737	1048
SOUTHWEST	ALLEGHENY	737	1097
SOUTHWEST	ALLEGHENY	739	457
SOUTHWEST	ALLEGHENY	739	586
SOUTHWEST	ALLEGHENY	739	587
SOUTHWEST	ALLEGHENY	739	856
SOUTHWEST	ALLEGHENY	75 892	1177
SOUTHWEST	ALLEGHENY	801 806 809	98
SOUTHWEST	ALLEGHENY	806 808 805	427
SOUTHWEST	ALLEGHENY	806	1103
SOUTHWEST	ALLEGHENY	806 801	1110
SOUTHWEST	ALLEGHENY	807 802	1098
SOUTHWEST	ALLEGHENY	808	425
SOUTHWEST	ALLEGHENY	809 806	426
SOUTHWEST	ALLEGHENY	809	679
SOUTHWEST	ALLEGHENY	809	925
SOUTHWEST	ALLEGHENY	829	226
SOUTHWEST	ALLEGHENY	861	378
SOUTHWEST	ALLEGHENY	89 891	84
SOUTHWEST	ALLEGHENY	891	153
SOUTHWEST	ALLEGHENY	891	182
SOUTHWEST	ALLEGHENY	891	224
SOUTHWEST	ALLEGHENY	891	343
SOUTHWEST	ALLEGHENY	891	344
SOUTHWEST	ALLEGHENY	891 892 353	446
SOUTHWEST	ALLEGHENY	891	669
SOUTHWEST	ALLEGHENY	891 899	1157
SOUTHWEST	ALLEGHENY	892	60
SOUTHWEST	ALLEGHENY	892	160

REGION	COUNTY	SIC	RECORD ID
SOUTHWEST	ALLEGHENY	899	276
SOUTHWEST	ALLEGHENY	899	513
		382	
SOUTHWEST	ALLEGHENY	899	1120
SOUTHWEST	ALLEGHENY	919	1054
SOUTHWEST	ALLEGHENY	921	676
SOUTHWEST	ALLEGHENY	93	170
		94	
		95	
SOUTHWEST	ALLEGHENY	941	872
SOUTHWEST	ALLEGHENY	96	202
		93	
		892	
SOUTHWEST	ALLEGHENY	971	835
		972	
SOUTHWEST	ALLEGHENY	99	10
SOUTHWEST	ALLEGHENY	99	94
SOUTHWEST	ALLEGHENY	99	150
SOUTHWEST	ALLEGHENY	99	152
SOUTHWEST	ALLEGHENY	99	154
SOUTHWEST	ALLEGHENY	99	156
SOUTHWEST	ALLEGHENY	99	158
SOUTHWEST	ALLEGHENY	99	159
SOUTHWEST	ALLEGHENY	99	161
SOUTHWEST	ALLEGHENY	99	162
SOUTHWEST	ALLEGHENY	99	166
SOUTHWEST	ALLEGHENY	99	168
SOUTHWEST	ALLEGHENY	99	171
SOUTHWEST	ALLEGHENY	99	194
SOUTHWEST	ALLEGHENY	99	207
SOUTHWEST	ALLEGHENY	99	270
SOUTHWEST	ALLEGHENY	99	315
SOUTHWEST	ALLEGHENY	99	321
SOUTHWEST	ALLEGHENY	99	388
SOUTHWEST	ALLEGHENY	99	471
SOUTHWEST	ALLEGHENY	99	579
SOUTHWEST	ALLEGHENY	99	654
SOUTHWEST	ALLEGHENY	99	878
SOUTHWEST	ALLEGHENY	99	1088
SOUTHWEST	ALLEGHENY	99	1089
SOUTHWEST	ALLEGHENY	99	1090
SOUTHWEST	ALLEGHENY	99	1091
SOUTHWEST	ALLEGHENY	99	1092
SOUTHWEST	ALLEGHENY	99	1093
SOUTHWEST	ALLEGHENY	99	1094
SOUTHWEST	ALLEGHENY	99	1095
SOUTHWEST	ALLEGHENY	99	1096
SOUTHWEST	ALLEGHENY	99	1099
SOUTHWEST	ALLEGHENY	99	1100
SOUTHWEST	ALLEGHENY	99	1101
SOUTHWEST	ALLEGHENY	99	1102
SOUTHWEST	ALLEGHENY	99	1104
SOUTHWEST	ALLEGHENY	99	1106
SOUTHWEST	ALLEGHENY	99	1107
SOUTHWEST	ALLEGHENY	99	1108
SOUTHWEST	ALLEGHENY	99	1109
SOUTHWEST	ARMSTRONG	16	139
		85	
SOUTHWEST	BEAVER	325	595
SOUTHWEST	BEAVER	344	79
		331	
		353	
SOUTHWEST	BEAVER	363	175
		364	
		343	
SOUTHWEST	BUTLER	281	522
		862	
SOUTHWEST	BUTLER	289	662
		892	
		381	
SOUTHWEST	BUTLER	291	812
SOUTHWEST	BUTLER	325	1175
		329	
SOUTHWEST	BUTLER	334	919
		367	
		349	
SOUTHWEST	BUTLER	339	428
		899	
SOUTHWEST	BUTLER	382	313
SOUTHWEST	BUTLER	739	55
		99	
SOUTHWEST	BUTLER	809	913
		892	
SOUTHWEST	BUTLER	809	914
		892	
SOUTHWEST	BUTLER	891	138
SOUTHWEST	FAYETTE	355	581
		352	
SOUTHWEST	INDIANA	349	897
		307	
SOUTHWEST	INDIANA	351	413
		371	
SOUTHWEST	INDIANA	353	322
		362	
SOUTHWEST	INDIANA	809	451
		922	
SOUTHWEST	INDIANA	863	452
		892	
SOUTHWEST	INDIANA	892	450
SOUTHWEST	INDIANA	892	453
SOUTHWEST	INDIANA	892	454
		919	
SOUTHWEST	INDIANA	93	177
SOUTHWEST	WASHINGTON	106	667
		333	
SOUTHWEST	WASHINGTON	285	230
		289	
		322	
SOUTHWEST	WASHINGTON	286	482
		287	
		249	
SOUTHWEST	WASHINGTON	3	879
SOUTHWEST	WASHINGTON	335	280
		349	
		384	
SOUTHWEST	WASHINGTON	354	1149
		339	
		349	
SOUTHWEST	WASHINGTON	366	944
		367	
SOUTHWEST	WASHINGTON	99	693
SOUTHWEST	WESTMORELAND	12	136

REGION	COUNTY	SIC	RECORD ID
		161	
		327	
SOUTHWEST	WESTMORELAND	12	882
SOUTHWEST	WESTMORELAND	162	218
		282	
		286	
SOUTHWEST	WESTMORELAND	282	383
SOUTHWEST	WESTMORELAND	282	696
		279	
		381	
SOUTHWEST	WESTMORELAND	282	900
SOUTHWEST	WESTMORELAND	331	521
SOUTHWEST	WESTMORELAND	331	950
SOUTHWEST	WESTMORELAND	332	277
		349	
SOUTHWEST	WESTMORELAND	333	36
		344	
		105	
SOUTHWEST	WESTMORELAND	351	299
		359	
		349	
SOUTHWEST	WESTMORELAND	354	499
		339	
		353	
SOUTHWEST	WESTMORELAND	354	684
SOUTHWEST	WESTMORELAND	355	145
		359	
		343	
SOUTHWEST	WESTMORELAND	363	873
		367	
		349	
SOUTHWEST	WESTMORELAND	365	926
		367	
SOUTHWEST	WESTMORELAND	491	27
SOUTHWEST	WESTMORELAND	739	304
		899	
SOUTHWEST	WESTMORELAND	739	311
SOUTHWEST	WESTMORELAND	81	456
		99	
SOUTHWEST	WESTMORELAND	891	472
		359	
		367	
SOUTHWEST	WESTMORELAND	891	590
SOUTHWEST	WESTMORELAND	892	902
SOUTHWEST	WESTMORELAND	99	433
SOUTHWEST	WESTMORELAND	99	901
SOUTHWEST	WESTMORELAND	99	1160
SUSQUEHANNA	CENTRE	11	718
		13	
		71	
SUSQUEHANNA	CENTRE	11	784
		17	
		19	
SUSQUEHANNA	CENTRE	12	731
		11	
		299	
SUSQUEHANNA	CENTRE	13	793
		11	
		16	
SUSQUEHANNA	CENTRE	13	794
		19	
		29	
SUSQUEHANNA	CENTRE	13	801
		24	
		21	
SUSQUEHANNA	CENTRE	14	866
		12	
SUSQUEHANNA	CENTRE	16	783
		41	
		37	
SUSQUEHANNA	CENTRE	161	729
		327	
		295	
SUSQUEHANNA	CENTRE	17	749
		208	
SUSQUEHANNA	CENTRE	17	752
		287	
SUSQUEHANNA	CENTRE	18	756
		17	
		16	
SUSQUEHANNA	CENTRE	19	747
		72	
		287	
SUSQUEHANNA	CENTRE	202	751
		203	
		206	
SUSQUEHANNA	CENTRE	209	790
		201	
		25	
SUSQUEHANNA	CENTRE	24	741
SUSQUEHANNA	CENTRE	25	787
		75	
		27	
SUSQUEHANNA	CENTRE	27	734
		24	
		29	
SUSQUEHANNA	CENTRE	27	766
SUSQUEHANNA	CENTRE	283	774
SUSQUEHANNA	CENTRE	283	880
		284	
		286	
SUSQUEHANNA	CENTRE	286	935
		381	
SUSQUEHANNA	CENTRE	32	179
		35	
		899	
SUSQUEHANNA	CENTRE	325	31
SUSQUEHANNA	CENTRE	34	726
SUSQUEHANNA	CENTRE	344	799
		249	
		327	
SUSQUEHANNA	CENTRE	349	526
SUSQUEHANNA	CENTRE	354	771
		381	
SUSQUEHANNA	CENTRE	356	779
		379	
SUSQUEHANNA	CENTRE	359	48
		492	
		494	
SUSQUEHANNA	CENTRE	361	444
		366	
		971	

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SUSQUEHANNA	CENTRE	366	141
SUSQUEHANNA	CENTRE	367	484
		489	
SUSQUEHANNA	CENTRE	367	792
SUSQUEHANNA	CENTRE	381	565
		382	
		383	
SUSQUEHANNA	CENTRE	381	724
		383	
		892	
SUSQUEHANNA	CENTRE	381	746
		357	
SUSQUEHANNA	CENTRE	381	750
SUSQUEHANNA	CENTRE	381	755
		382	
		862	
SUSQUEHANNA	CENTRE	381	781
SUSQUEHANNA	CENTRE	381	788
		131	
		12	
SUSQUEHANNA	CENTRE	381	893
SUSQUEHANNA	CENTRE	489	525
		737	
		941	
SUSQUEHANNA	CENTRE	655	178
		864	
		93	
SUSQUEHANNA	CENTRE	74	730
		24	
SUSQUEHANNA	CENTRE	74	742
		24	
		25	
SUSQUEHANNA	CENTRE	74	757
SUSQUEHANNA	CENTRE	74	772
		24	
SUSQUEHANNA	CENTRE	74	786
		25	
SUSQUEHANNA	CENTRE	74	802
		24	
		25	
SUSQUEHANNA	CENTRE	74	803
		24	
		29	
SUSQUEHANNA	CENTRE	75	765
		27	
SUSQUEHANNA	CENTRE	799	798
		809	
SUSQUEHANNA	CENTRE	809	721
		807	
		74	
SUSQUEHANNA	CENTRE	809	736
		842	
SUSQUEHANNA	CENTRE	809	769
		943	
		951	
SUSQUEHANNA	CENTRE	809	770
		943	
		951	
SUSQUEHANNA	CENTRE	809	775
		807	
SUSQUEHANNA	CENTRE	809	778

REGION	COUNTY	SIC	RECORD ID
SUSQUEHANNA	CENTRE	809	796
SUSQUEHANNA	CENTRE	809	797
SUSQUEHANNA	CENTRE	839	715
		941	
SUSQUEHANNA	CENTRE	85	789
		243	
SUSQUEHANNA	CENTRE	891	691
SUSQUEHANNA	CENTRE	891	733
		893	
SUSQUEHANNA	CENTRE	891	748
SUSQUEHANNA	CENTRE	891	768
		892	
		899	
SUSQUEHANNA	CENTRE	892	463
SUSQUEHANNA	CENTRE	892	719
SUSQUEHANNA	CENTRE	892	727
		941	
SUSQUEHANNA	CENTRE	892	732
SUSQUEHANNA	CENTRE	892	773
SUSQUEHANNA	CENTRE	892	777
		381	
SUSQUEHANNA	CENTRE	892	780
SUSQUEHANNA	CENTRE	892	782
SUSQUEHANNA	CENTRE	892	791
SUSQUEHANNA	CENTRE	899	225
SUSQUEHANNA	CENTRE	899	722
		38	
SUSQUEHANNA	CENTRE	899	753
SUSQUEHANNA	CENTRE	899	754
SUSQUEHANNA	CENTRE	899	760
SUSQUEHANNA	CENTRE	919	762
		930	
		911	
SUSQUEHANNA	CENTRE	92	710
		891	
SUSQUEHANNA	CENTRE	92	811
		891	
SUSQUEHANNA	CENTRE	94	759
		96	
		92	
SUSQUEHANNA	CENTRE	944	785
		961	
SUSQUEHANNA	CENTRE	951	725
SUSQUEHANNA	CENTRE	966	763
SUSQUEHANNA	CENTRE	98	709
SUSQUEHANNA	CENTRE	99	716
SUSQUEHANNA	CENTRE	99	717
SUSQUEHANNA	CENTRE	99	723
SUSQUEHANNA	CENTRE	99	728
SUSQUEHANNA	CENTRE	99	737
SUSQUEHANNA	CENTRE	99	743
SUSQUEHANNA	CENTRE	99	744
SUSQUEHANNA	CENTRE	99	745
SUSQUEHANNA	CENTRE	99	758
SUSQUEHANNA	CENTRE	99	761
SUSQUEHANNA	CENTRE	99	764
SUSQUEHANNA	CENTRE	99	767
SUSQUEHANNA	CENTRE	99	776
SUSQUEHANNA	CENTRE	99	795
SUSQUEHANNA	CENTRE	99	800
SUSQUEHANNA	CLINTON	372	830

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SUSQUEHANNA	COLUMBIA	209	1166
		207	
		204	
SUSQUEHANNA	COLUMBIA	899	448
		951	
SUSQUEHANNA	LYCOMING	342	564
		353	
		369	
SUSQUEHANNA	LYCOMING	353	1037
		355	
		344	
SUSQUEHANNA	LYCOMING	364	22
		361	
		362	
SUSQUEHANNA	LYCOMING	372	74
SUSQUEHANNA	LYCOMING	386	382
SUSQUEHANNA	LYCOMING	944	572
		943	
		941	
SUSQUEHANNA	LYCOMING	951	575
		97	
SUSQUEHANNA	LYCOMING	97	573
		951	
SUSQUEHANNA	LYCOMING	99	574
SUSQUEHANNA	LYCOMING	99	922
SUSQUEHANNA	MIFFLIN	382	512
		384	
SUSQUEHANNA	MONTOUR	353	500
SUSQUEHANNA	MONTOUR	80	354
		383	
SUSQUEHANNA	NORTHUMBERLAND	209	41
SUSQUEHANNA	NORTHUMBERLAND	355	1146
SUSQUEHANNA	UNION	131	117
SUSQUEHANNA	UNION	152	121
		161	
		401	
SUSQUEHANNA	UNION	162	130
		307	
		344	
SUSQUEHANNA	UNION	283	131
		287	
		289	
SUSQUEHANNA	UNION	284	120
		286	
		287	
SUSQUEHANNA	UNION	289	118
		381	
		383	
SUSQUEHANNA	UNION	73	128
		739	
SUSQUEHANNA	UNION	737	114
SUSQUEHANNA	UNION	737	124
SUSQUEHANNA	UNION	81	127
SUSQUEHANNA	UNION	892	119
		899	
SUSQUEHANNA	UNION	892	122
SUSQUEHANNA	UNION	892	126
SUSQUEHANNA	UNION	892	129
SUSQUEHANNA	UNION	99	115
SUSQUEHANNA	UNION	99	116
SUSQUEHANNA	UNION	99	123
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48.	Communication	86, 1126
481	Telephone Communication (Wire or Radio)	205, 350, 476, 928
482	Telegraph Communication (Wire or Radio)	
483	Radio & Television Broadcasting	297, 567, 599
489	Communication Services, Not Elsewhere Classified	205, 291, 377, 468, 475, 484, 525, 530, 598, 599, 823, 917, 928
49.	Electric, Gas, & Sanitary Services	
491	Electric Services	27, 365, 552, 713
492	Gas Production & Distribution	48, 193, 874
493	Combination Electric & Gas, & Other Utility Services	588, 819, 1056
494	Water Supply	48, 825, 870, 1142
495	Sanitary Services	
496	Steam Supply	552, 588, 713, 836
497	Irrigation Systems	
60.	Banking	380, 687
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602	Commerical & Stock Savings Banks	17, 414, 651, 652, 687, 1059
603	Mutual Savings Banks	824
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	614	Personal Credit Institutions	
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	622	Commodity Contracts Brokers & Dealers	
	623	Security & Commodity Exchanges	
	628	Services Allied With the Exchange of Securities or Commodities	176
63.	Insurance		
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	632	Accident & Health Insurance & Medical Service Plans	146, 449, 701, 1084
	633	Fire, Marine, & Casualty Insurance	861
	635	Surety Insurance	
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	654	Title Abstract Offices	
	655	Subdividers & Developers	178, 185, 420
66.	Combinations of Real Estate, Insurance, Loans, Law Offices		69
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70.	Hotels, Rooming Houses, Camps, & Other Lodging Places		
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73.	Business Services		128, 424, 596, 912
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	737	Computer & Data Processing Services	114, 124, 149, 169, 181, 309, 329, 355, 418, 476, 483, 506, 525, 530, 863, 867, 889, 892, 941, 942, 1020, 1048, 1097
	739	Miscellaneous Business Services	18, 23, 53, 55, 66, 69, 82, 103, 128, 174, 181, 195, 217, 220, 304, 311, 328, 337, 338, 339, 340, 341, 437, 457, 475, 477, 510, 582, 586, 587, 592, 596, 665, 680, 856, 867, 868, 889, 892, 912, 929, 933, 978, 1003, 1020, 1064, 1111, 1143, 1151, 1153
78.	Motion Pictures		
	781	Motion Picture Production & Allied Services	52, 464
79.	Amusement & Recreation Services, Except Motion Pictures		
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	799	Miscellaneous Amusement & Recreation Services	798, 1009
80.	Health Services		319, 354, 656, 694, 818, 1013
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	802	Offices of Dentists	389, 992, 1098
	803	Offices of Osteopathic Physicians	47
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	808	Outpatient Care Facilities	290, 327, 373, 389, 399, 402, 405, 425, 427, 462, 480, 702, 860, 964, 977, 1068, 1070, 1085, 1165
	809	Health & Allied Services, Not Elsewhere Classified	39, 81, 98, 151, 290, 300 327, 353, 373, 399, 402, 417, 426, 451, 592, 597, 656, 679, 682, 721, 736, 769, 770 775, 778, 796, 797, 798, 822, 913, 914, 925, 954, 962, 968, 969, 970, 979, 996, 998, 999, 1005, 1006, 1007, 1019, 1070, 1072, 1077, 1080, 1121
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THEATER TECHNOLOGY
THEORETICAL CHEMISTRY
THERAPEUTIC NUTRITION
THERAPEUTIC OUTCOME
THERAPEUTIC RECREATION
THERMAL POWER PLANTS
THERMISTOR
THERMO DYNAMICS
THERMOCHEMISTRY
THERMODYNAMICS
THERMOFLUIDS
THERMOSETTING LAMINATES DEVELOPMENT
THERMOSTATS
THIRD-PARTY ACTIONS
THROMBOSIS
THRUST FAULTS
THYROID HORMONE
THYROID HORMONES
TILAPIA
TISSUE CULTURE
TITRATOR
TOBACCO
TOILETRIES
TOOL EVALUATION
TOOL STEELS
TOOL TESTING
TOOL WEAR
TOOLS
TOOTH INNERVATION
TOXIC ELEMENTS
TOXIC MATERIAL EFFECTS
TOXIC MATERIAL REACTIONS
TOXIC MATERIALS
TOXIC MATERIALS EFFECTS
TOXIC MOTHERS
TOXIC WASTE HANDLING
TOXICANT CONCENTRATION
TOXICOLOGIC PATHOLOGY
TOXICOLOGY
TOXICOLOGY AND RELATED SCIENCES
TRACE ANALYSIS
TRACE MINERALS
TRACKING INSTRUMENT SYSTEMS
TRAFFIC AND PARKING GENERATION RATES
TRAINING

TRAINING AMMUNITION
TRAINING TOOLS
TRANSDUCERS
TRANSFERRIN
TRANSFORMERS
TRANSIENT CEREBRAL ISCHEMIC ATTACKS
TRANSLOCATION
TRANSMISSION AND DISTRIBUTION
TRANSMISSION EQUIPMENT
TRANSPLANTS
TRANSPORT PRODUCTIVITY
TRANSPORTATION
TRANSPORTATION ECONOMICS
TRANSPORTATION EQUIPMENT
TRANSPORTATION POLICY AND PLANNING
TRANSPORTING EQUIPMENT
TRAVEL
TRAVEL INDUSTRY RESEARCH
TREATMENT
TREATMENT PROTOCOLS
TREE FRUIT PRODUCTION
TRIBOLOGY
TROUBLESHOOT
TROUT AND CATFISH
TUBE CLEANING TOOLS
TUMOR WEIGHT
TUMORS
TURBINE
TURBINE COMPONENTS
TURBINES
TURBOMACHINERY
TURFGRASS
TWO-WAY RADIO
TYPE OF NEWS COVERAGE

UHF/VHF MICROWAVE PRODUCTS
ULTRA FINE COAL REFINING
ULTRASONIC GAS CLEANING
ULTRASONIC PROCESSING
ULTRASONIC TRANSDUCERS
ULTRASOUND
UNDERGROUND
UNDERWATER LIGHTING SYSTEMS
UNEMPLOYMENT STATISTICS
UNIQUE BIOCHEMICAL MOLECULES
UNIT HEATERS
UNIVERSITIES
UPPER ATMOSPHERE
URBAN STUDIES
URBAN TECHNOLOGY
URETHANE FOAM PRODUCTS
URINARY TRACT INFECTIONS
UTILIZATION OF WASTE
UTILIZATION RESEARCH

VACUUM MELTING/REMELTING PROCESSES
VACUUM PUMPS
VACUUM SYSTEMS
VAL-CUP
VALIDATION
VALVES
VAU TERMINAL BOXES
VEGETABLES, FRUITS AND FLOWERS
VENTRICULOTOMY
VENTURE CAPITAL
VERTICAL AIRLIFT
VETERINARY DIAGNOSTICS
VETERINARY PHARMACEUTICALS
VETERINARY SCIENCE
VIBRATION ANALYSIS
VIRAL INFECTION
VIRUSES
VISCOELASTICITY
VISUAL SYSTEM
VITAMIN A
VITAMIN B-12
VITAMIN C
VITICULTURE
VITILIGO
VOCATIONAL ASSESSMENT
VOCATIONAL CURRICULUM DEVELOPMENT
VOCATIONAL REHABILITATION

WAR RESERVE PLANNING
WARP KNIT FABRICS
WASTE DISPOSAL
WASTE HEAT RECOVERY
WASTE MATERIAL USE
WASTE MATERIALS
WASTE RECYCLE
WASTE WATER TREATMENT
WASTEWATER
WASTEWATER TREATMENT
WATER ANALYSIS
WATER POLLUTION
WATER POLLUTION CONTROL
WATER PURIFICATION
WATER QUALITY
WATER RESOURCES
WATER SAVING
WATER STORAGE, DISTRIBUTION
WATER SUPPLY NEEDS
WATER TREATMENT
WATERING BABY CHICKS
WATERPROOFING
WATERSHED PROTECTION
WAVE ENGINES
WEAR PRODUCTS
WEATHER
WEAVING
WEB PRINTING
WEEDS, INSECTS
WELDABILITY
WELDING
WELLNESS EDUCATION
WETLANDS
WHITE DWARF STARS
WILDLIFE/FISH
WIND GENERATOR BLADES
WINE
WIRE
WOMEN
WOMEN STUDIES
WOOD PROCESSING
WOOD PRODUCTS

WOOL FELT PRODUCTS
WOOL YARNS
WORD LEARNING
WORK EVALUATION
WORK MEASUREMENT SYSTEMS
WORKSHOP

X-RAY ASTRONOMY
XENOBIOTICS

YARNS

ZINC PRODUCTS
ZOOGEOGRAPHY
11B NMR
19F NMR

N.C.E.S.
ACADEMIC PROGRAMS

AGRICULTURE

01. Agribusiness and Agricultural Productions

01.01 Agricultural Business and Management
  01.0101 Agricultural Business & Management, General
  01.0102 Agricultural Business
  01.0103 Agricultural Economics
  01.0104 Farm and Ranch Management
  01.0199 Agricultural Business & Management, Other

01.02 Agricultural Mechanics
  01.0201 Agricultural Mechanics, General
  01.0202 Agricultural Electrification, Power, & Controls
  01.0203 Agricultural Mechanics, Construction, & Maintenance Skills
  01.0204 Agricultural Power Machinery
  01.0205 Agricultural Structures, Equipment, and Facilities
  01.0206 Soil & Water Mechanical Practices
  01.0299 Agricultural Mechanics, Other

01.03 Agricultural Production
  01.0301 Agricultural Production, General
  01.0302 Animal Production
  01.0303 Aquaculture
  01.0304 Crop Production
  01.0305 Game Farm Management
  01.0399 Aricultural Production, Other

01.04 Agricultural Products and Processing
  01.0401 Agricultural Products & Processing, General
  01.0402 Food Products
  01.0403 Nonfood Products
  01.0499 Agricultural Products & Processing, Other

01.06 Horticulture
  01.0601 Horticulture, General
  01.0602 Arboriculture
  01.0603 Floriculture
  01.0604 Greenhouse Operation & Management
  01.0605 Landscaping
  01.0606 Nursery Operation & Management
  01.0607 Turf Management
  01.0699 Horticulture, Other

02. Agricultural Sciences

02.02 Animal Sciences
  02.0201 Animal Sciences, General
  02.0202 Animal Breeding & Genetics
  02.0203 Animal Health
  02.0204 Animal Nutrition
  02.0205 Animal Physiology
  02.0206 Dairy
  02.0207 Fisheries Science
  02.0208 Livestock
  02.0209 Poultry
  02.0299 Animal Sciences, Other

02.03 Food Sciences
  02.0301 Food Sciences, General
  02.0302 Dairy Processing
  02.0303 Food Distribution
  02.0304 Food Engineering
  02.0305 Food Packaging
  02.0306 Food Technology
  02.0399 Food Sciences, Other

02.04 Plant Sciences
  02.0401 Plant Sciences, General
  02.0402 Agronomy
  02.0403 Horticulture Science
  02.0404 Ornamental Horticulture
  02.0405 Plant Breeding & Genetics
  02.0406 Plant Pathology (Applied)
  02.0407 Plant Physiology
  02.0408 Plant Protection (Pest Management)
  02.0409 Range Management
  02.0410 Turf Management Science
  02.0499 Plant Sciences, Other

02.05 Soil Sciences
  02.0501 Soil Sciences, General
  02.0502 Soil Chemistry
  02.0503 Soil Conservation
  02.0504 Soil Management & Fertility
  02.0505 Soil Microbiology
  02.0506 Soil Physics
  02.0599 Soil Sciences, Other

02.99 Agricultural Sciences, Other

03. Renewable Natural Resources

03.01 Renewable Natural Resources, General
  03.0101 Renewable Natural Resources, General

03.02 Conservation and Regulation
  03.0201 Conservation & Regulation, General
  03.0202 Conservation
  03.0203 Resources Protection & Regulation
  03.0299 Conservation & Regulation, Other

03.04 Forestry Production & Processing
  03.0401 Forestry Production & Processing, General
  03.0402 Forest Production
  03.0403 Forest Products Utilization
  03.0404 Forest Products Processing Technology
  03.0405 Logging
  03.0406 Pulp & Paper Production
  03.0499 Forestry Production & Processing, Other

03.05 Forestry & Related Sciences
  03.0501 Forestry & Related Sciences, General
  03.0502 Forestry Science
  03.0503 Forest Biology
  03.0504 Forest Engineering
  03.0505 Forest Hydrology
  03.0506 Forest Management
  03.0507 Forest Mensuration
  03.0508 Urban Forestry
  03.0509 Wood Science
  03.0599 Forestry & Related Sciences, Other

- 03.06 Wildlife Management
- 03.99 Renewable Natural Resources, Other

ARCHITECTURE & ENVIRONMENTAL DESIGN

- 04. Architecture & Environmental Design
- 04.01 Architecture & Environmental Design, General
- 04.02 Architecture
- 04.03 City, Community, & Regional Planning
- 04.04 Environmental Design
- 04.05 Interior Design
- 04.06 Landscape Architecture
- 04.07 Urban Design
- 04.99 Architecture & Environmental Design, Other

BUSINESS

- 06. Business & Management
- 06.01 Business & Management, General
- 06.02 Accounting
- 06.03 Banking & Finance
- 06.04 Business Administration & Management
  - 06.0401 Business Administration & Management, General
  - 06.0402 Contract Management & Procurement/Purchasing
  - 06.0403 Product Management
  - 06.0404 Systems Efficiency Analysis
  - 06.0499 Business Administration & Management, Other
- 06.05 Business Economics
- 06.06 Human Resources Development
- 06.07 Institutional Management
- 06.08 Insurance & Risk Management
- 06.09 International Business Management
- 06.10 Investments & Securities
- 06.11 Labor/Industrial Relations
- 06.12 Management Information Systems
- 06.13 Management Science
  - 06.1301 Business Statistics
  - 06.1302 Operations Research (Quantitative Methods)
  - 06.1399 Management Science, Other
- 06.14 Marketing Management & Research
  - 06.1401 Marketing Management
  - 06.1402 Marketing Research
  - 06.1499 Marketing Management & Research, Other
- 06.15 Organizational Behavior
- 06.16 Personnel Management
- 06.14 Real Estate
  - 06.1701 Real Estate, General
  - 06.1702 Commercial Property
  - 06.1703 Property Management
  - 06.1704 Real Estate Appraisal
  - 06.1705 Real Estate Finance
  - 06.1706 Real Estate Law
  - 06.1707 Residential Property
  - 06.1707 Residential Property
  - 06.1799 Real Estate, Other
- 06.18 Small Business Management & Ownership
  - 06.1801 Small Business Management
  - 06.1802 Small Business Ownership
  - 06.1899 Small Business Management & Ownership, Other
- 06.19 Taxation
- 06.20 Trade & Industrial Supervision & Management
- 06.99 Business & Management, Other
- 07. Business & Office
- 07.01 Accounting, Bookkeeping, & Related Programs
- 07.03 Business Data Processing & Related Programs
- 07.05 Personnel & Training Programs
- 07.99 Business & Office, Other
- 08. Marketing & Distribution
- 08.01 Apparel & Accessories Marketing
- 08.02 Business & Personal Services Marketing
- 08.03 Entrepreneurship
- 03.04 Financial Services Marketing
- 03.06 Food Marketing
- 08.08 Home & Office Products Marketing
- 08.09 Hospitality & Recreation Marketing
- 08.10 Insurance Marketing
- 08.11 Transportation & Travel Marketing
- 08.12 Vehicles & Petroleum Marketing
- 08.99 Marketing & Distribution, Other

COMMUNICATIONS

09. Communications

09.01 Communications, General

09.02 Advertising

09.03 Communications Research

09.04 Journalism (Mass Communications)

09.05 Public Relations

09.06 Radio/Television News Broadcast

09.07 Radio/Television, General

09.99 Communications, Other

10. Communication Technologies

10.01 Communication Technologies
  10.0101 Educational Media Technology
  10.0102 Motion Picture Technology
  10.0103 Photographic Technology
  10.0104 Radio & Television Production & Broadcasting Technology
  10.0199 Communication Technologies, Other

COMPUTER & INFORMATION SCIENCES

11. Computer & Information Sciences

11.01 Computer & Information Sciences, General

11.02 Computer Programming

11.03 Data Processing

11.04 Information Sciences & Systems

11.05 Systems Analysis

11.99 Computer & Information Sciences, Other

ENGINEERING

14. Engineering

14.01 Engineering, General

14.02 Aerospace, Aeronautical, & Astronautical Engineering

14.03 Agricultural Engineering

14.04 Architectural Engineering

14.05 Bioengineering & Biomedical Engineering

14.06 Ceramic Engineering

14.07 Chemical Engineering

14.08 Civil Engineering

14.09 Computer Engineering

14.10 Electrical, Electronics, & Communications Engineering

14.11 Engineering Mechanics

14.12 Engineering Physics

14.13 Engineering Science

14.14 Environmental Health Engineering

14.15 Geological Engineering

14.16 Geophysical Engineering

14.17 Industrial Engineering

14.18 Materials Engineering

14.19 Mechanical Engineering

14.20 Metallurgical Engineering

14.21 Mining & Mineral Engineering

14.22 Naval Architecture & Marine Engineering

14.23 Nuclear Engineering

14.24 Ocean Engineering

14.25 Petroleum Engineering

14.26 Surveying & Mapping Sciences
  14.2601 Surveying & Mapping Sciences
  14.2602 Cartography

14.27 Systems Engineering

14.28 Textile Engineering

14.99 Engineering, Other

HEALTH

17. Allied Health

17.01 Dental Services

17.02 Diagnostic & Treatment Services
  17.0201 Cardiopulmonary Technology
  17.0202 Dialysis Technology
  17.0203 Electrocardiograph Technology
  17.0204 Electroencephalograph Technology
  17.0205 Emergency Medical Technology-Ambulance
  17.0206 Emergency Medical Technology-Paramedic
  17.0207 Medical Radiation Dosimetry
  17.0208 Nuclear Medical Technology
  17.0209 Radiograph Medical Technology
  17.0210 Respiratory Therapy Technology
  17.0211 Surgical Technology
  17.0212 Ultrasound Technology

- 17.03 Medical Laboratory Technologies
  - 17.0301 Blood Bank Technology
  - 17.0302 Chemistry Technology
  - 17.0303 Clinical Animal Technology
  - 17.0306 Cytotechnology
  - 17.0307 Hemotology Technology
  - 17.0308 Histologic Technology
  - 17.0309 Medical Laboratory Technology
  - 17.0310 Medical Technology
  - 17.0311 Microbiology Technology
  - 17.0399 Medical Laboratory Technologies, Other

- 17.04 Mental Health/Human Services

- 17.06 Nursing Related Services

- 17.07 Ophthalmic Services

- 17.08 Rehabilitation Services

- 17.99 Allied Health, Other

18. Health Sciences

- 18.01 Audiology & Speech Pathology
  - 18.0101 Audiology
  - 18.0102 Speech Pathology
  - 18.0103 Speech Pathology/Audiology
  - 18.0199 Audiology & Speech Pathology, Other

- 18.02 Basic Clinical Health Sciences
  - 18.0201 Clinical Anatomy
  - 18.0202 Clinical Biochemistry
  - 18.0203 Clinical Microbiology
  - 18.0204 Clinical Pathology
  - 18.0205 Physiology
  - 18.0299 Basic Clinical Health Sciences, Other

- 18.04 Dentistry
  - 18.0401 Dentistry, General
  - 18.0402 Dental Public Health
  - 18.0403 Endodontics
  - 18.0404 Oral/Maxial Facial Surgery
  - 18.0405 Oral Pathology
  - 18.0406 Orthodontics
  - 18.0407 Pedodontics
  - 18.0408 Periodontics
  - 18.0409 Prosthodontics
  - 18.0499 Dentistry, Other

- 18.05 Emergency/Disaster Science

- 18.06 Epidemiology

- 18.07 Health Sciences Administration
  - 18.0701 Health Care Administration
  - 18.0702 Health Care Planning
  - 18.0703 Medical Records Administration
  - 18.0799 Health Sciences Administration Other

- 18.08 Hematology

- 18.09 Medical Laboratory

- 18.10 Medicine
  - 18.1001 Medicine, General
  - 18.1002 Allergies & Endomology
  - 18.1003 Anesthesiology
  - 18.1004 Colon & Rectal Surgery
  - 18.1005 Dermatology
  - 18.1006 Emergency Medicine
  - 18.1007 Family Practice
  - 18.1008 Geriatrics
  - 18.1009 Immunology
  - 18.1010 Internal Medicine
  - 18.1011 Neurological Surgery
  - 18.1012 Nuclear Medicine
  - 18.1013 Obstetrics & Gnyecology
  - 18.1014 Ophthalmology
  - 18.1015 Orthodontic Surgery
  - 18.1016 Orthopedic
  - 18.1017 Otorhinolaryngology/Otolaryngology
  - 18.1018 Pathology
  - 18.1019 Pediatrics
  - 18.1020 Physical Medicine & Rehabilitation
  - 18.1021 Plastic Surgery
  - 18.1022 Preventive Medicine
  - 18.1023 Psychiatry
  - 18.1024 Neurology
  - 18.1025 Radiology
  - 18.1026 Surgery
  - 18.1027 Thoracic Surgery
  - 18.1028 Urology
  - 18.1099 Medicine, Other

- 18.11 Nursing
  - 18.1101 Nursing, General
  - 18.1102 Anesthetist
  - 18.1103 Maternal/Child Health
  - 18.1104 Medical Surgical
  - 18.1105 Nursing Administration
  - 18.1106 Psychiatric/Mental Health
  - 18.1107 Public Health
  - 18.1199 Nursing, Other

- 18.12 Optometry

- 18.13 Osteopathic Medicine

- 18.14 Pharmacy

- 18.15 Podiatry

- 18.16 Population & Family Planning

- 18.22 Public Health Laboratory Science

- 18.23 Toxicology (Clinical)

- 18.24 Veterinary Medicine

- 18.99 Health Sciences, Other

HOME ECONOMICS

19. Home Economics

- 19.01 Home Economics, General

- 19.02 Business Home Economics
- 19.03 Family & Community Services
- 19.04 Family/Consumer Resource Management
- 19.05 Food Sciences & Human Nutrition
  - 19.0501 Food Sciences & Human Nutrition, General
  - 19.0502 Food/Food Sciences
  - 19.0503 Dietietics/Human Nutritional Services
  - 19.0504 Human Nutrition
  - 19.0599 Food Sciences & Human Nutrition, Other

LAW

22. Law

- 22.01 Law

Life Sciences

26. Life Sciences

- 26.01 Biology, General
- 26.02 Biochemistry & Biophysics
- 26.03 Botany
  - 26.0301 Botany, General
  - 26.0302 Bacteriology
  - 26.0303 Mycology
  - 26.0304 Plant Genetics
  - 26.0305 Plant Pathology
  - 26.0306 Plant Pharmacology
  - 26.0307 Plant Physiology
  - 26.0399 Botany, Other
- 26.04 Cell & Molecular Biology
  - 26.0401 Cell Biology
  - 26.0402 Molecular Biology
  - 26.0499 Cell & Molecular Biology, Other
- 26.05 Microbiology
- 26.06 Miscellaneous Specialized Areas, Life Sciences
  - 26.0601 Anatomy
  - 26.0602 Biometrics & Biostatistics
  - 26.0603 Ecology
  - 26.0604 Embryology
  - 26.0605 Endocrinology
  - 26.0606 Histology
  - 26.0607 Marine Biology
  - 26.0608 Neurosciences
  - 26.0609 Nutritional Sceinces
  - 26.0610 Parasitology
  - 26.0611 Radiobiology
  - 26.0612 Toxicology
  - 26.0699 Miscellaneous Specialized Areas, Life Sciences, Other
- 26.07 Zoology
  - 26.0701 Zoology, General
  - 26.0702 Entomology
  - 26.0703 Genetics, Human & Animal
  - 26.0704 Pathology, Human & Animal
  - 26.0705 Pharmacology, Human & Animal
  - 26.0706 Physiology, Human & Animal
  - 26.0799 Zoology, Other
- 26.99 Life Sciences, Other

MATHEMATICS

27. Mathematics

- 27.01 Mathematics, General
- 27.02 Actuarial Sciences
- 27.03 Applied Mathematics
- 27.04 Pure Mathematics
- 27.05 Statistics
- 27.99 Mathematics, Other

MILITARY SCIENCES

28. Military Sciences

- 28.01 Aerospace Science (Air Force)
  - 28.0101 Aerospace Science (Air Force)
- 28.02 Coast Guard Science
  - 28.0201 Coast Guard Science
- 28.03 Military Science (Army)
  - 38.0301 Military Science (army)
- 28.04 Naval Science (Navy, Marines)
  - 28.0401 Naval Science (Navy, Marines)
- 28.99 Military Sciences, Other
  - 28.9999 Military Sciences, Other

MULTI/INTERDISCIPLINARY STUDIES

30. Multi/Interdisciplinary Studies

- 30.01 Biological & Physical Sciences
  - 30.0101 Biological & Physical Sciences
- 30.03 Engineering & Other Disciplines
  - 30.0301 Engineering & Other Discipline
- 30.06 Systems Science
  - 30.0601 Systems Science

PHYSICAL SCIENCES

40. Physical Sciences

- 40.01 Physical Sciences, General
- 40.02 Astronomy
- 40.03 Astrophysics
- 40.04 Atmospheric Sciences & Meteorology

- 40.05 Chemistry
  - 40.0501 Chemistry, General
  - 40.0502 Analytical Chemistry
  - 40.0503 Inorganic Chemistry
  - 40.0504 Organic Chemistry
  - 40.0505 Pharmaceutical Chemistry
  - 40.0506 Physical Chemistry
  - 40.0599 Chemistry, Other

- 40.06 Geological Sciences
  - 40.0601 Geology
  - 40.0602 Geochemistry
  - 40.0603 Geophysics & Seismology
  - 40.0604 Paleontology
  - 40.0699 Geological Sciences, Other

- 40.07 Miscellaneous Physical Sciences
  - 40.0701 Metallurgy
  - 40.0702 Oceanography
  - 40.0703 Earth Science
  - 40.0799 Miscellaneous Physical Sciences, Other

- 40.08 Physics
  - 40.0801 Physics, General
  - 40.0802 Atomic/Molecular Physics
  - 40.0802 Electron Physics
  - 40.0804 Elementary Particle Physics
  - 40.0805 Fluids & Plasmas
  - 40.0806 Nuclear Physics
  - 40.0807 Optics
  - 40.0808 Solid State Physics
  - 40.0899 Physics, Other

- 40.09 Planetary Science

- 40.99 Physical Sciences, Other

PSYCHOLOGY

42. Psychology

- 42.01 Psychology, General
- 42.02 Clinical Psychology
- 42.03 Cognitive Psychology
- 42.04 Community Psychology
- 42.05 Comparative Psychology
- 42.06 Counseling Psychology
- 42.07 Developmental Psychology
- 42.08 Experimental Psychology
- 42.09 Industrial & Organizational Psychology
- 42.10 Personality Psychology
- 42.11 Physiological Psychology
- 42.12 Psycholinguistics
- 42.13 Psychometrics
- 42.14 Psychopharmacology
- 42.15 Quantitative Psychology
- 42.16 Social Psychology
- 42.99 Psychology, Other

PUBLIC AFFAIRS & PROTECTIVE SERVICES

43. Protective Services

- 43.02 Fire Protection

44. Public Affairs

- 44.01 Public Affairs, General
- 44.02 Community Services
- 44.03 International Public Service
- 44.04 Public Administration
- 44.05 Public Policy Studies
- 44.06 Public Works
- 44.07 Social Work
  - 44.0701 Social Work, General
  - 44.0702 Medical Social Work
  - 44.0799 Social Work, Other
- 44.99 Public Affairs, Other

SOCIAL SCIENCES

45. Social Sciences

- 45.05 Demography
  - 45.0501 Demography
- 45.06 Economics
  - 45.0601 Economics
- 45.07 Geography
  - 45.0701 Geography
- 45.09 International Relations
  - 45.0901 International Relations
- 45.10 Political Science & Government
  - 45.1001 Political Science & Government
- 45.11 Sociology
  - 45.1101 Sociology
- 45.12 Urban Studies
  - 45.1201 Urban Studies